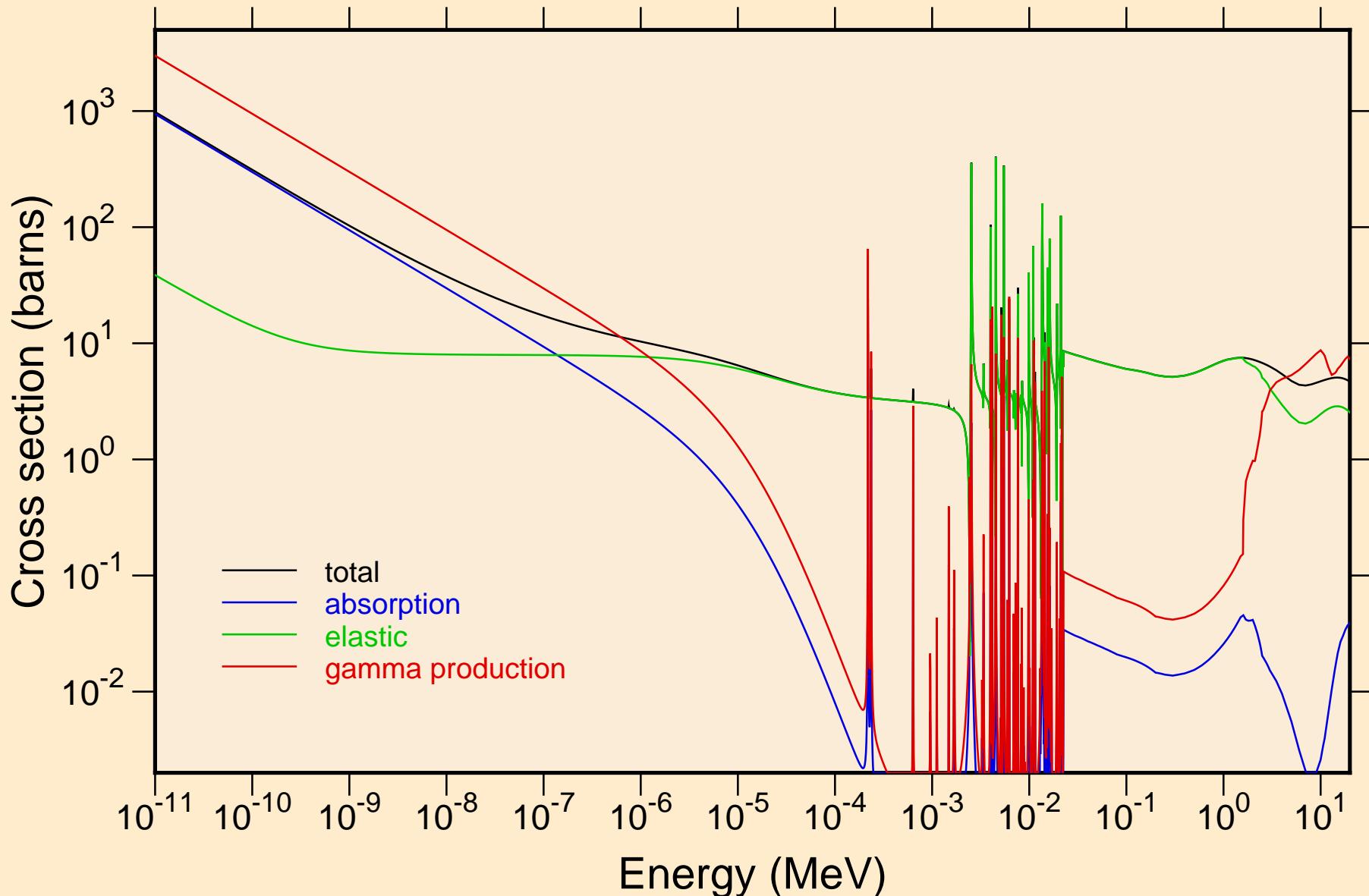
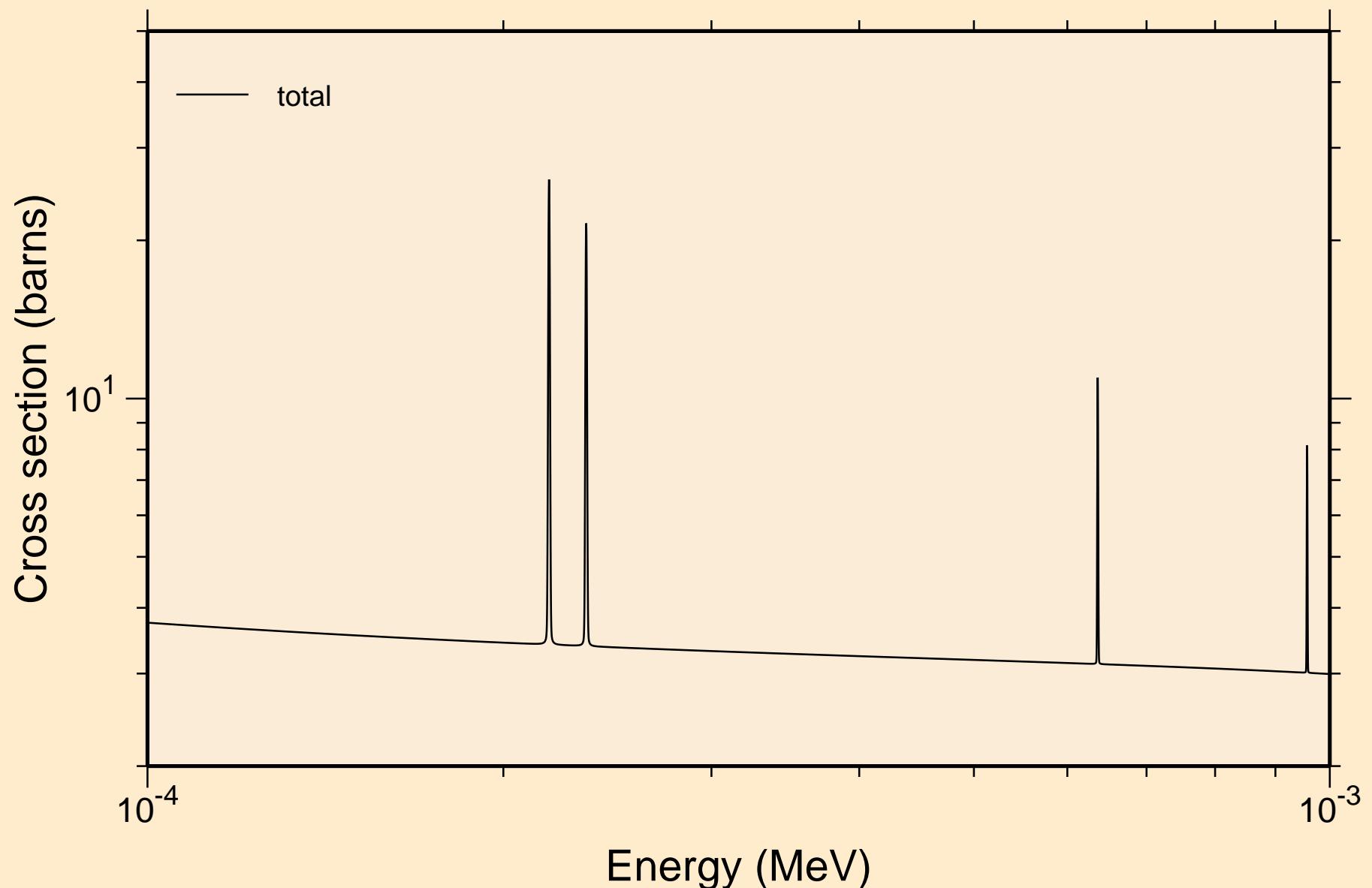


# ENDF/B-VII ND-142

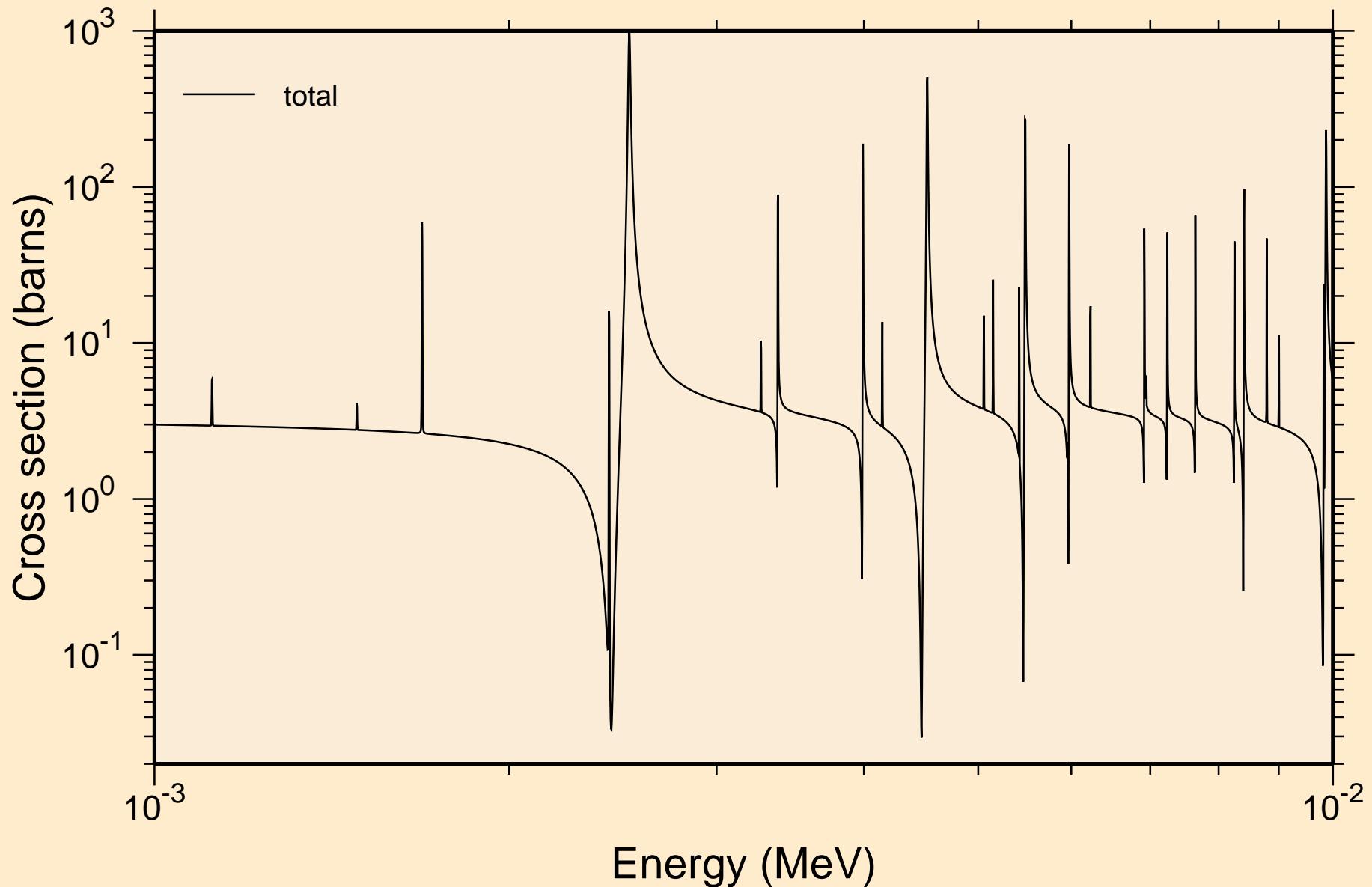
## Principal cross sections



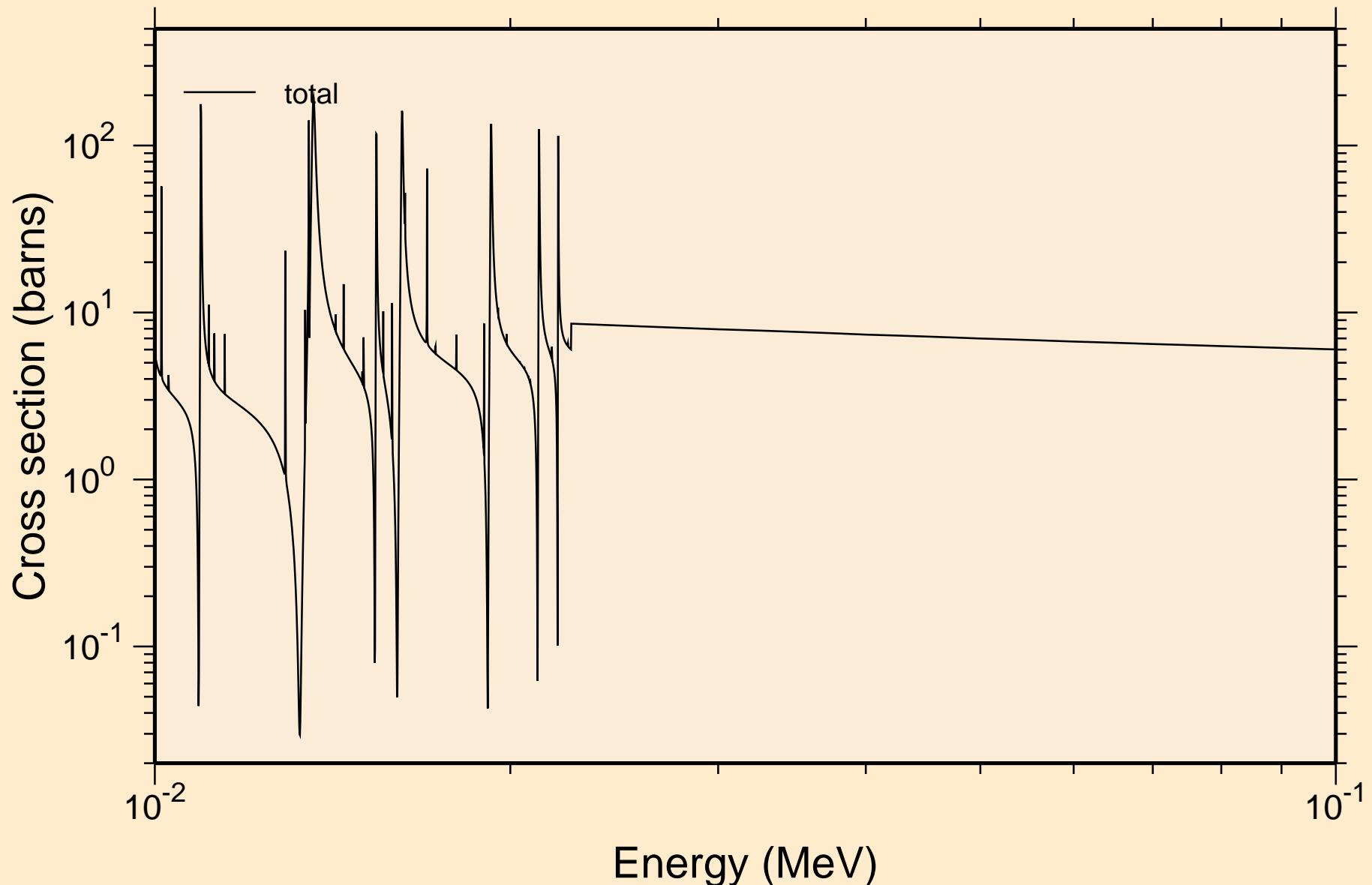
ENDF/B-VII ND-142  
resonance total cross section



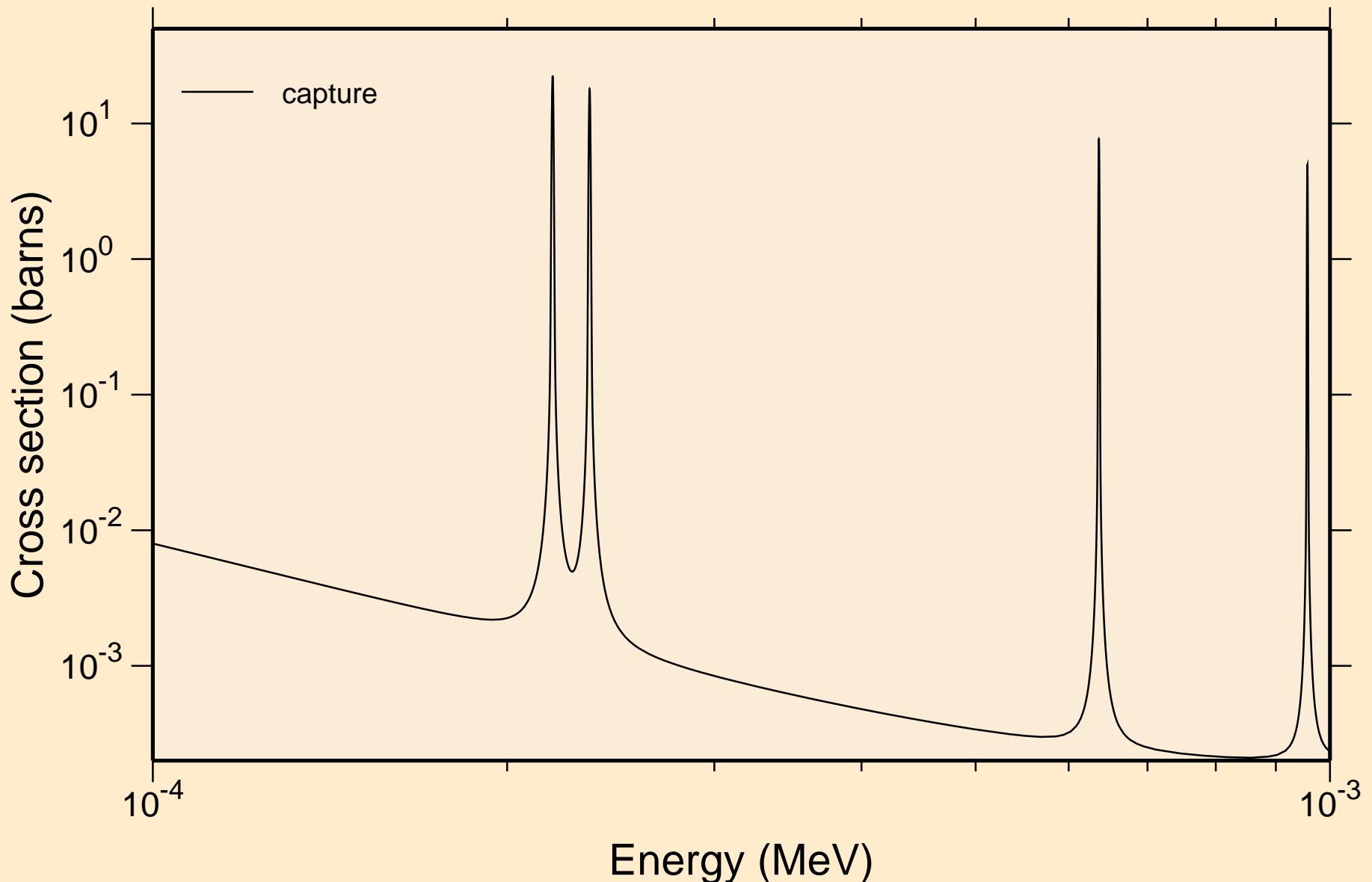
ENDF/B-VII ND-142  
resonance total cross section



ENDF/B-VII ND-142  
resonance total cross section

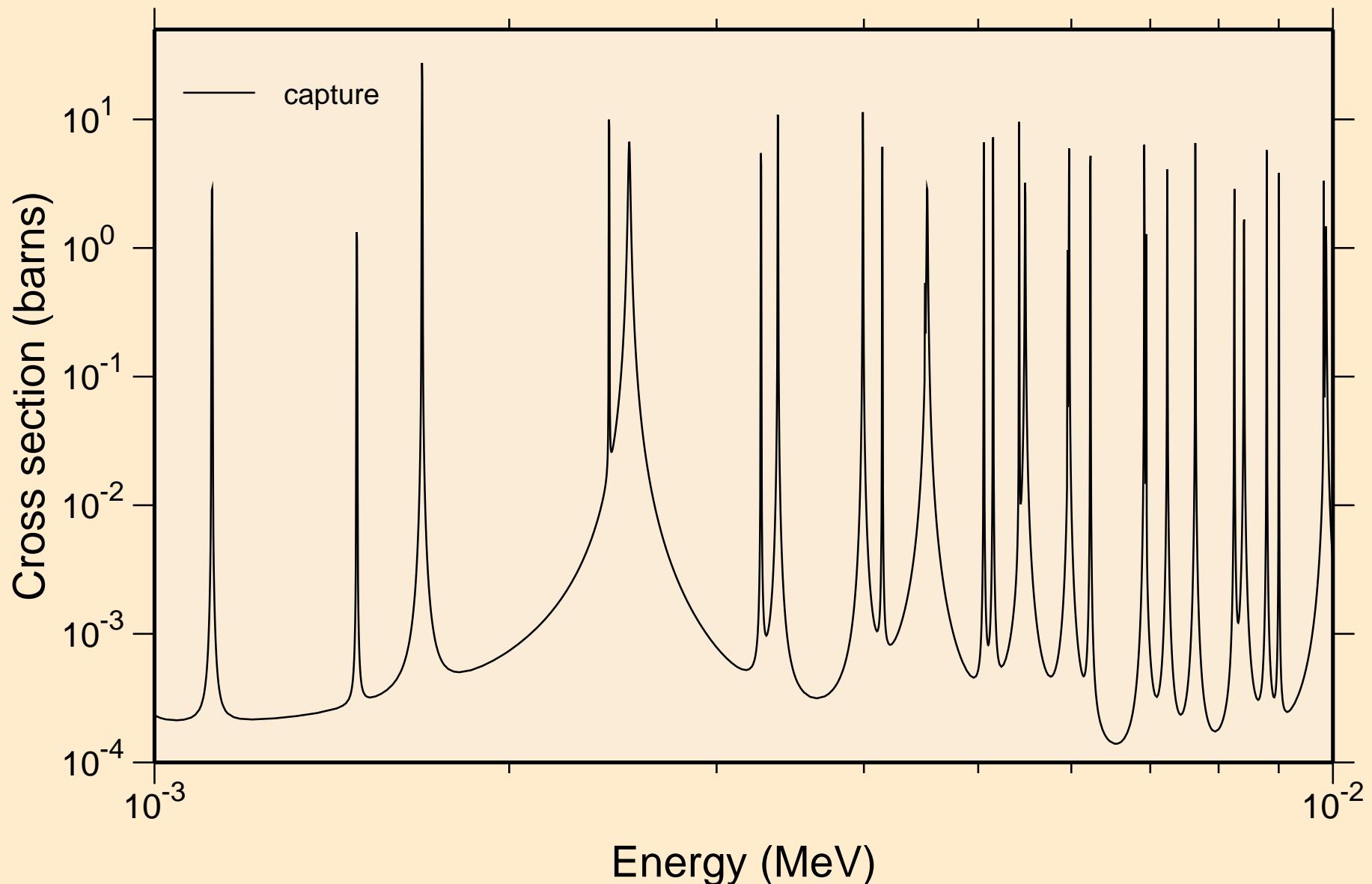


ENDF/B-VII ND-142  
resonance absorption cross sections

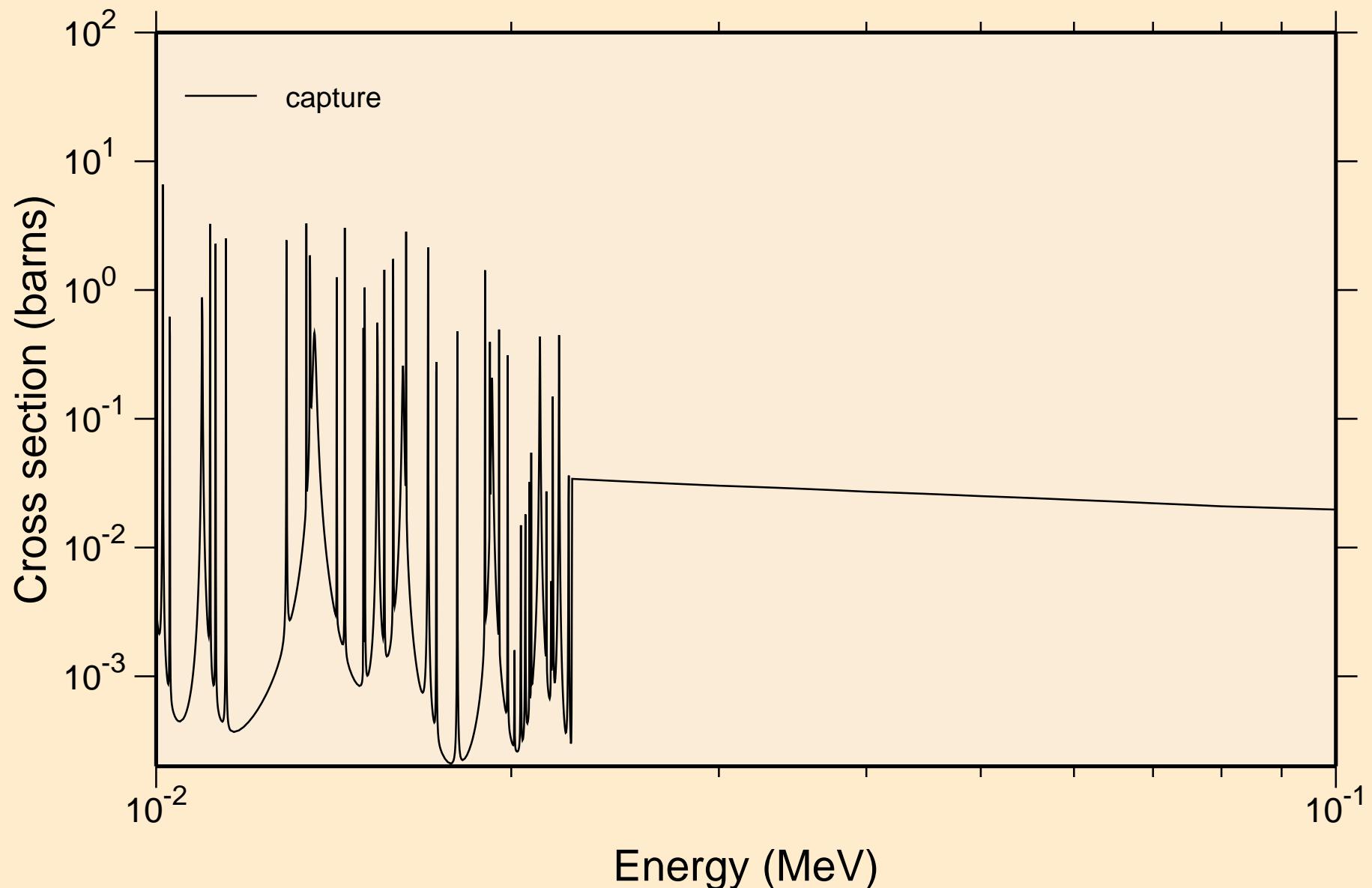


# ENDF/B-VII ND-142

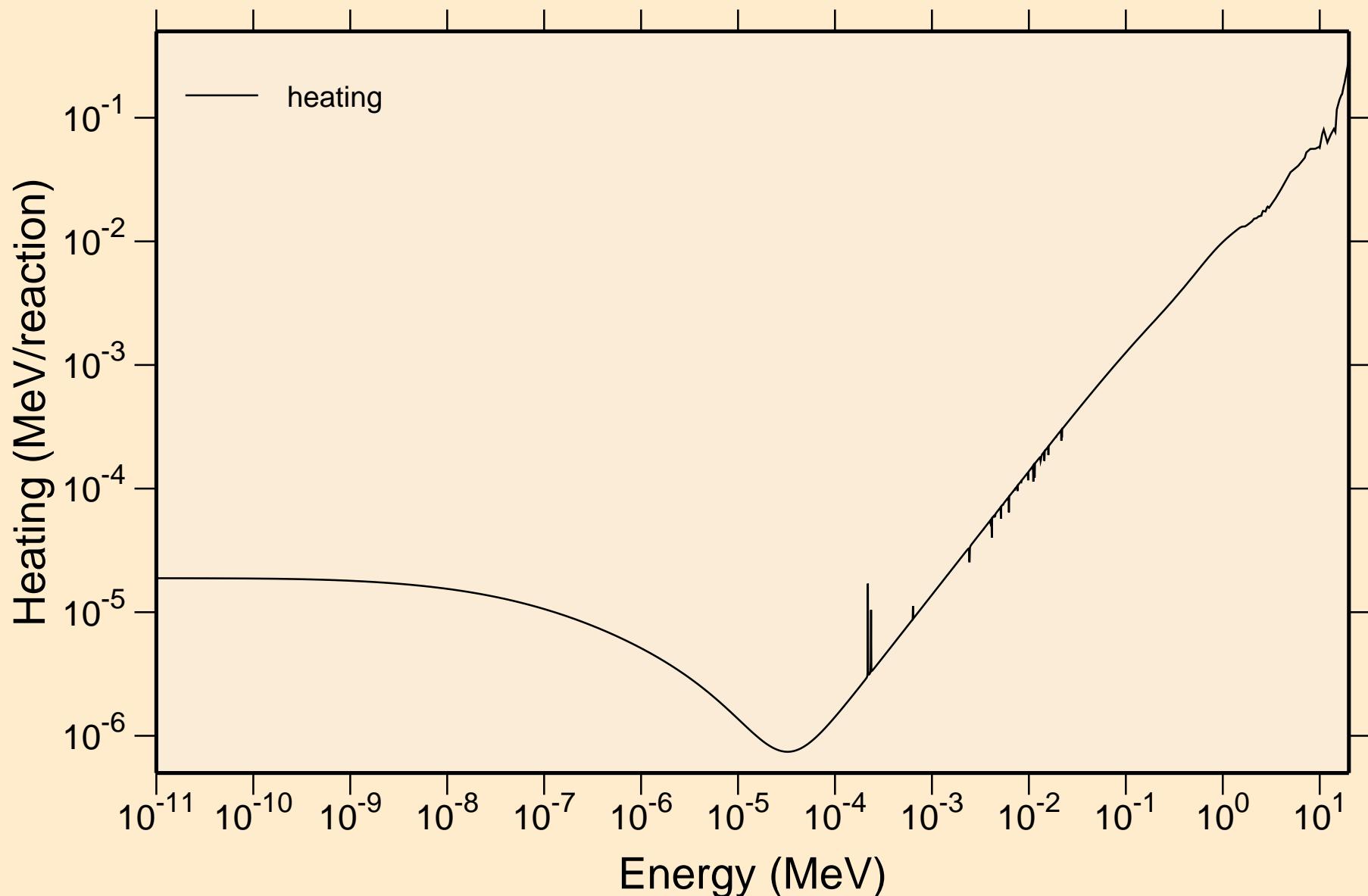
## resonance absorption cross sections



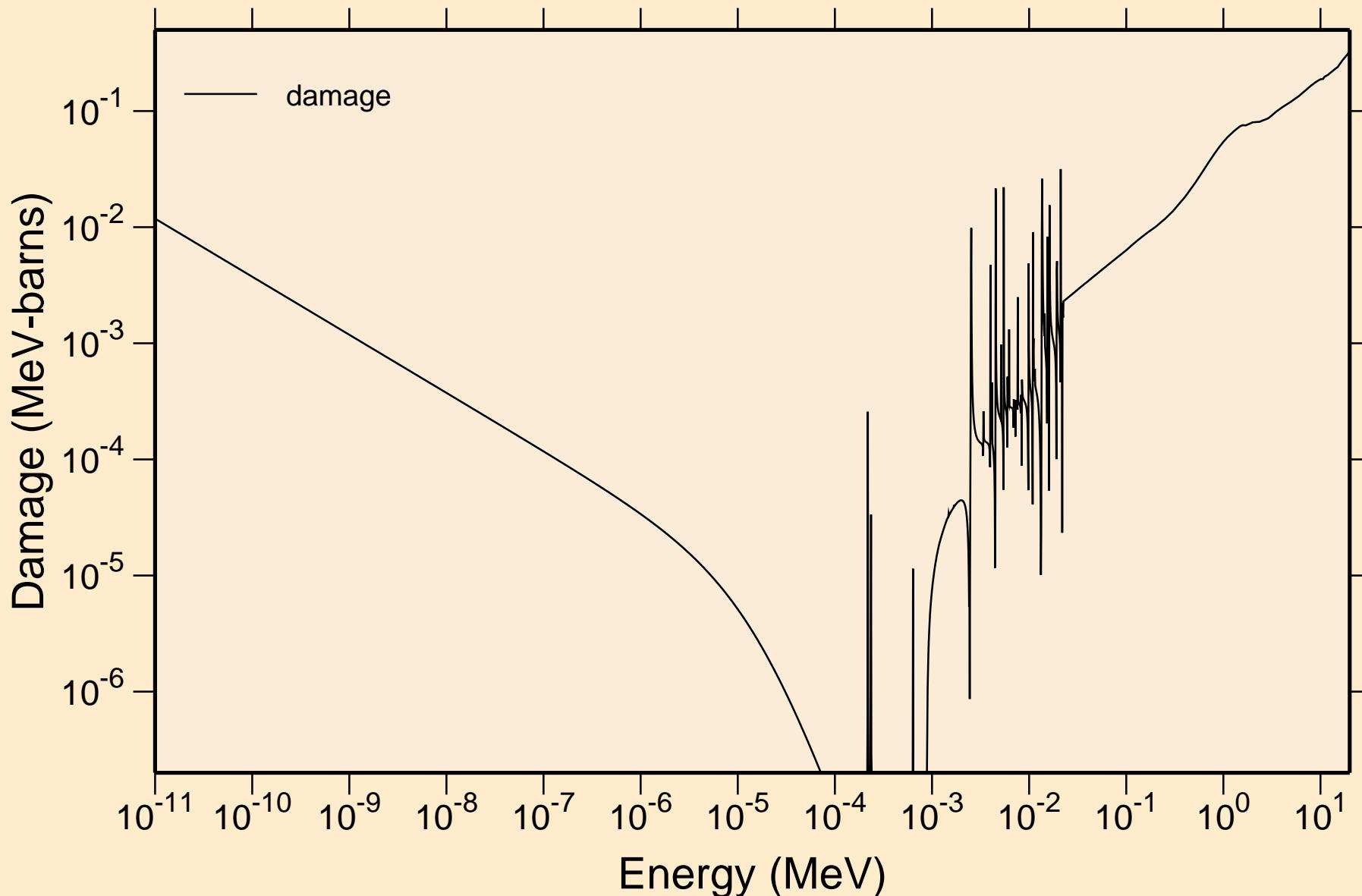
ENDF/B-VII ND-142  
resonance absorption cross sections



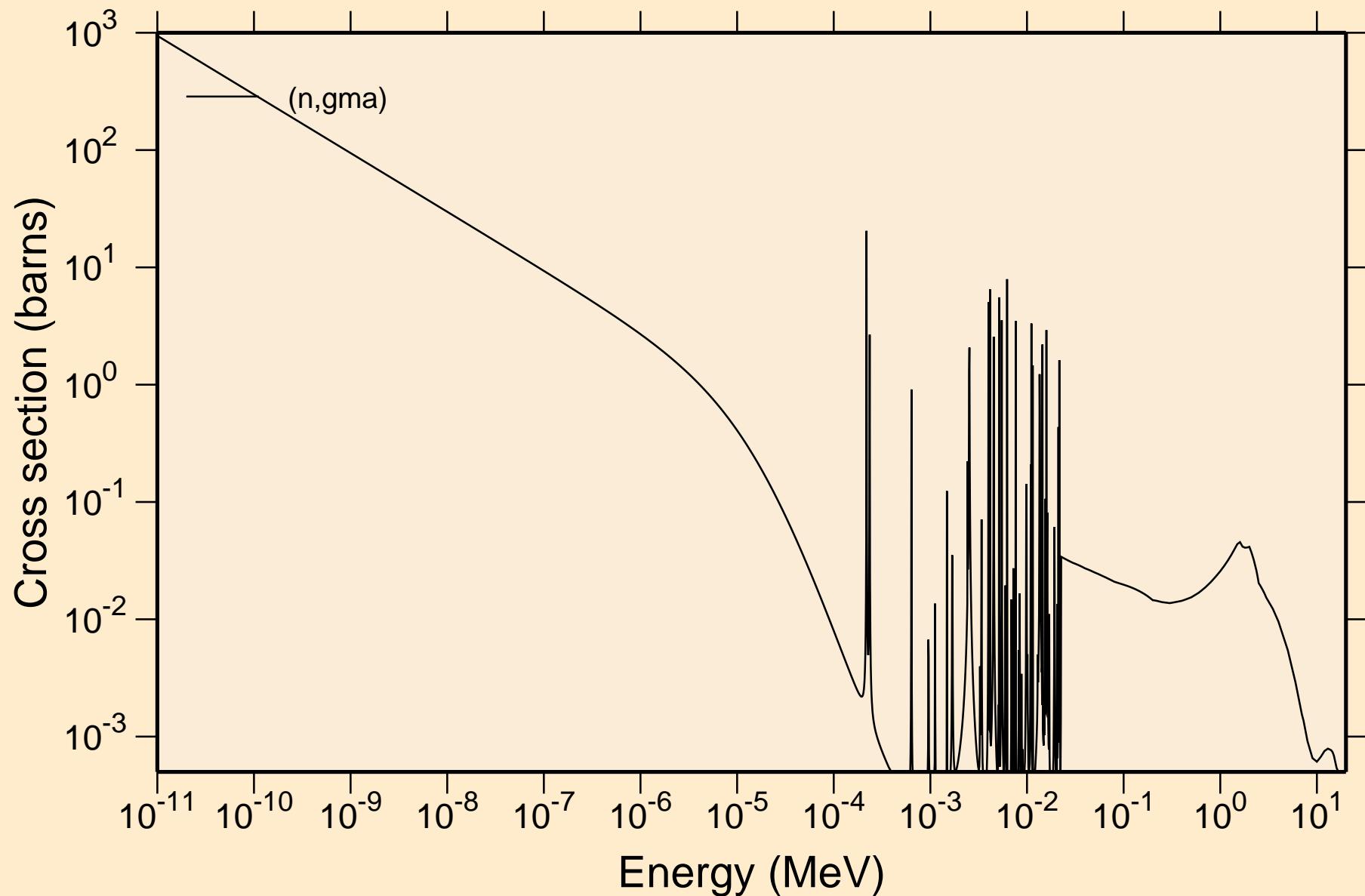
ENDF/B-VII ND-142  
Heating



ENDF/B-VII ND-142  
Damage

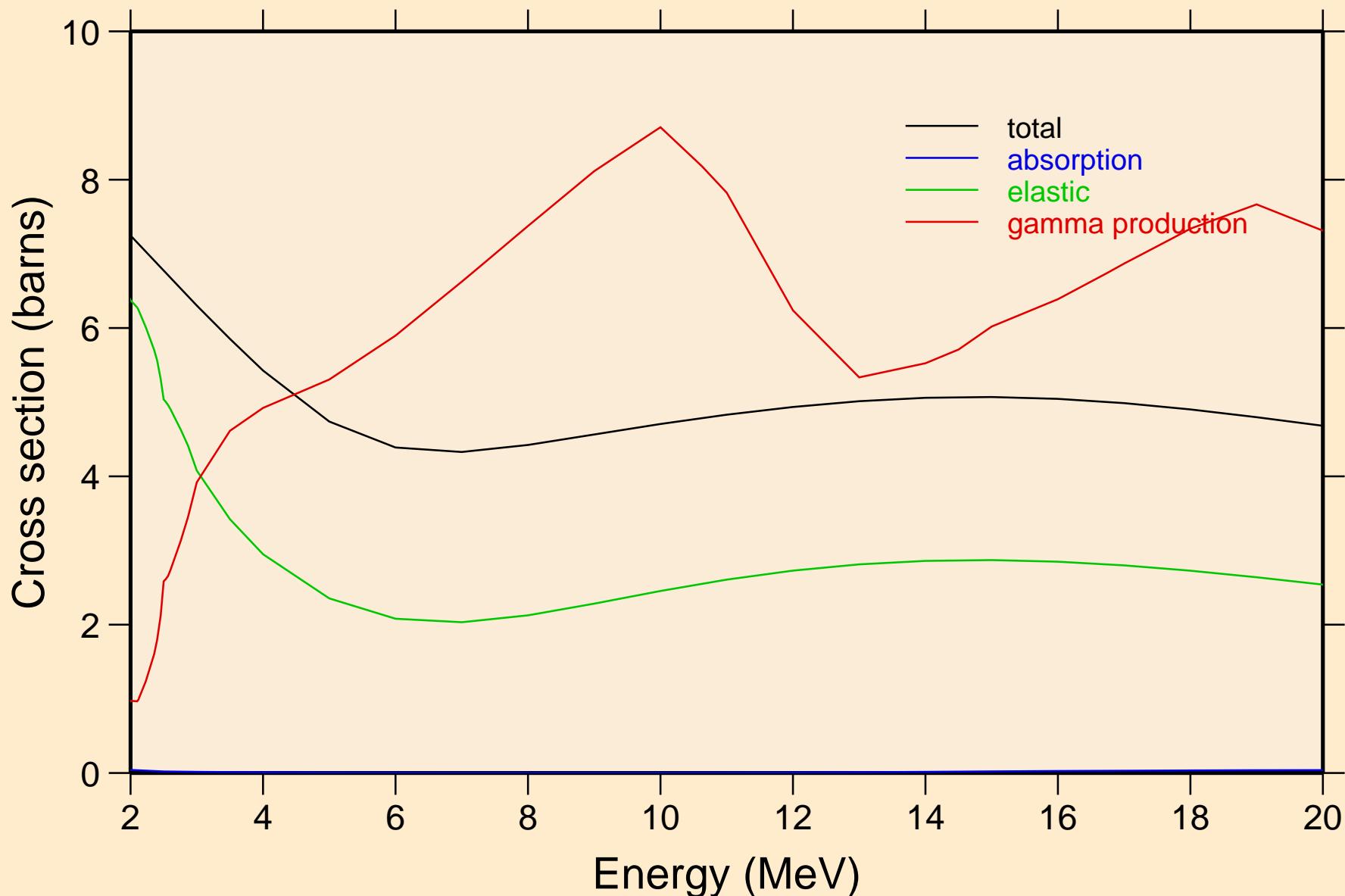


ENDF/B-VII ND-142  
Non-threshold reactions

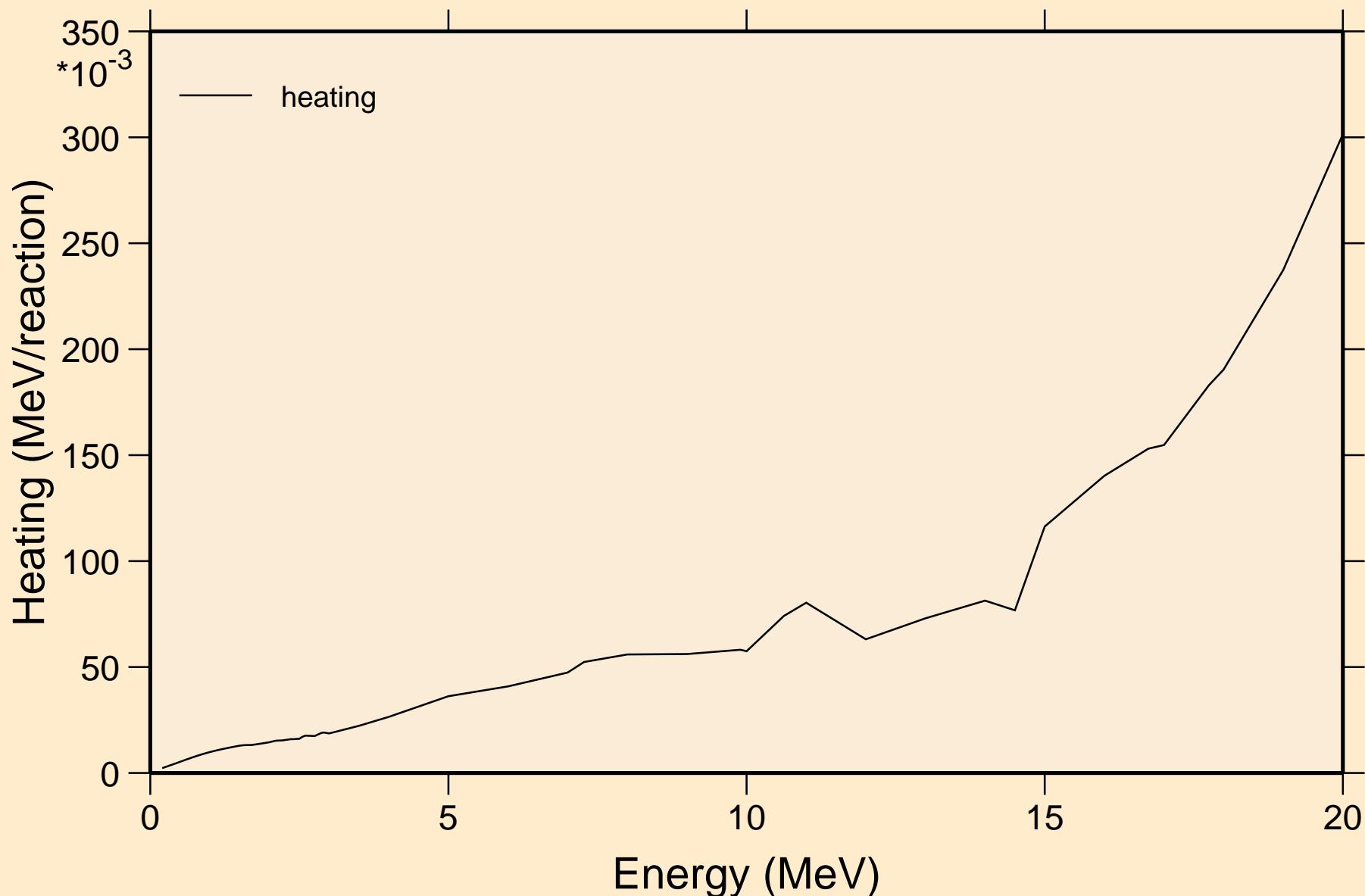


# ENDF/B-VII ND-142

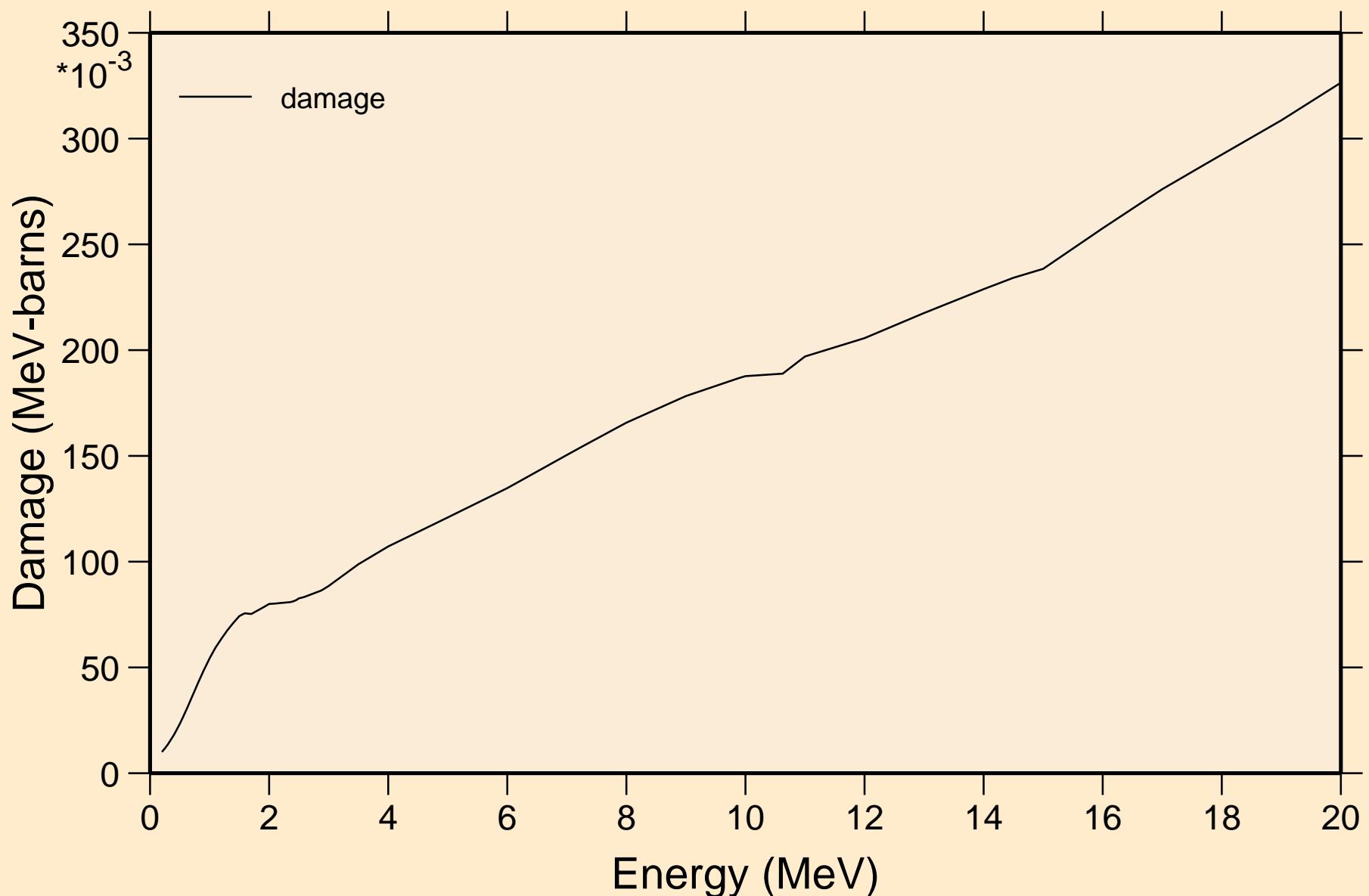
## Principal cross sections



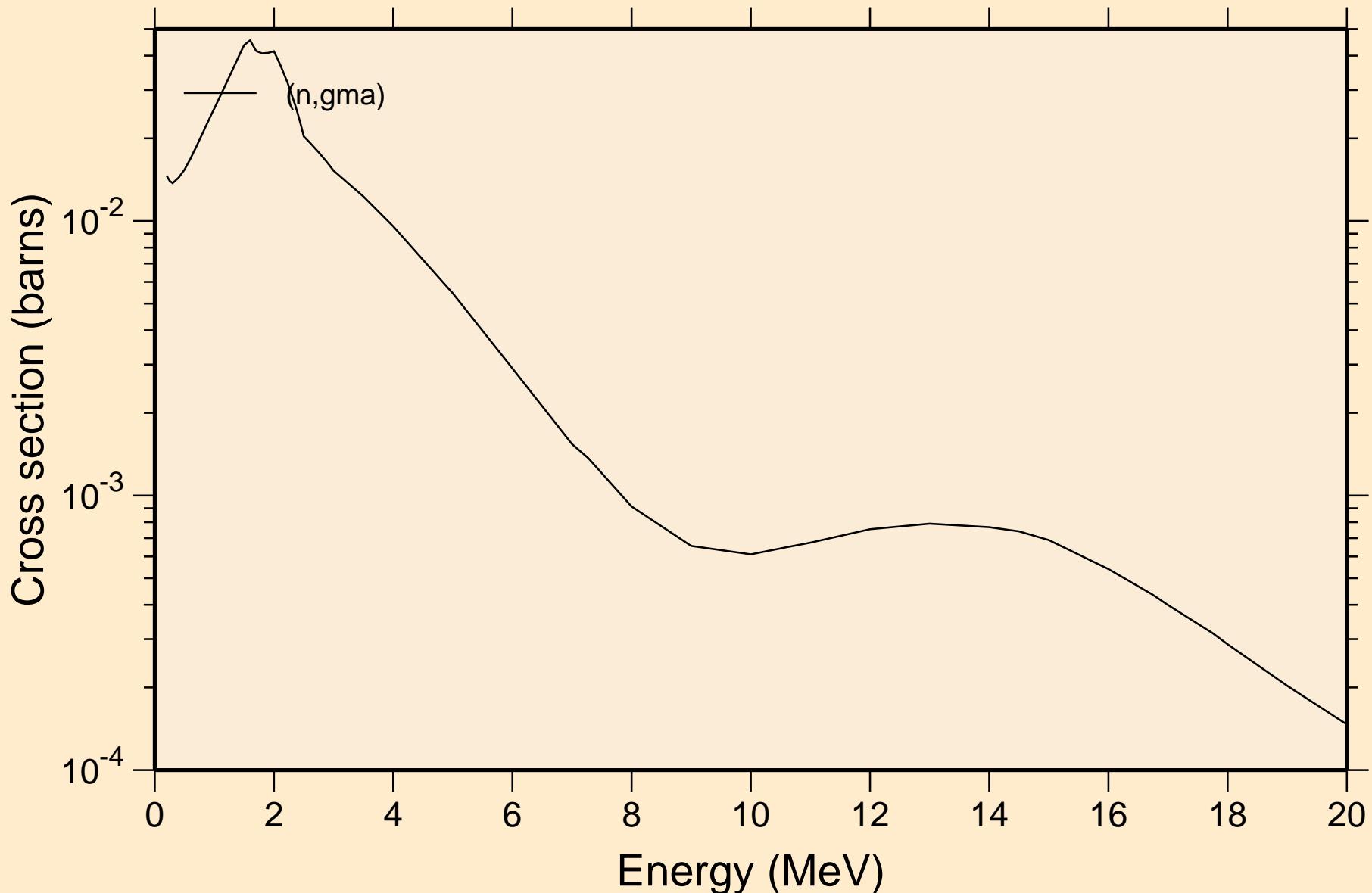
ENDF/B-VII ND-142  
Heating



ENDF/B-VII ND-142  
Damage

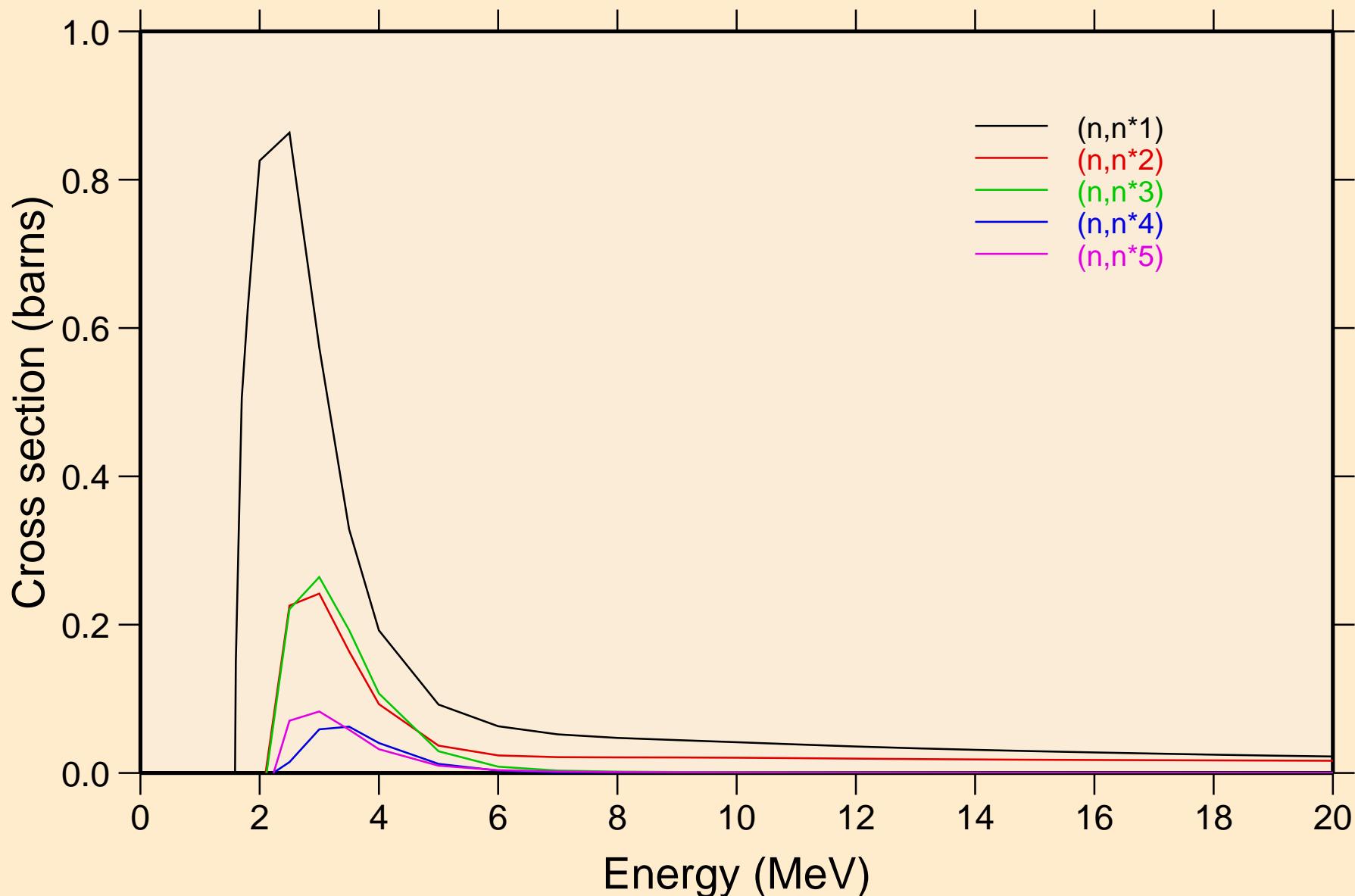


ENDF/B-VII ND-142  
Non-threshold reactions



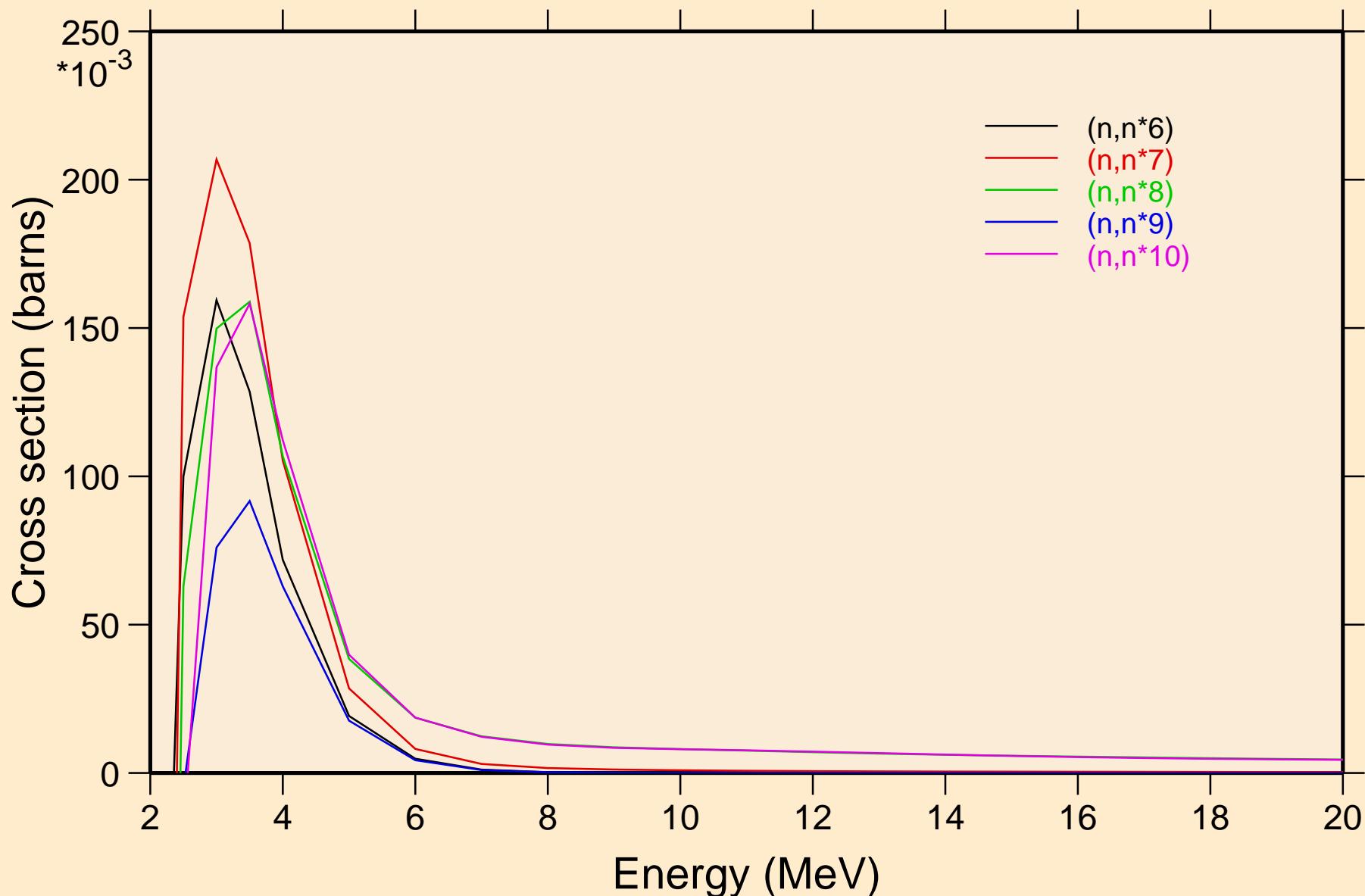
# ENDF/B-VII ND-142

## Inelastic levels



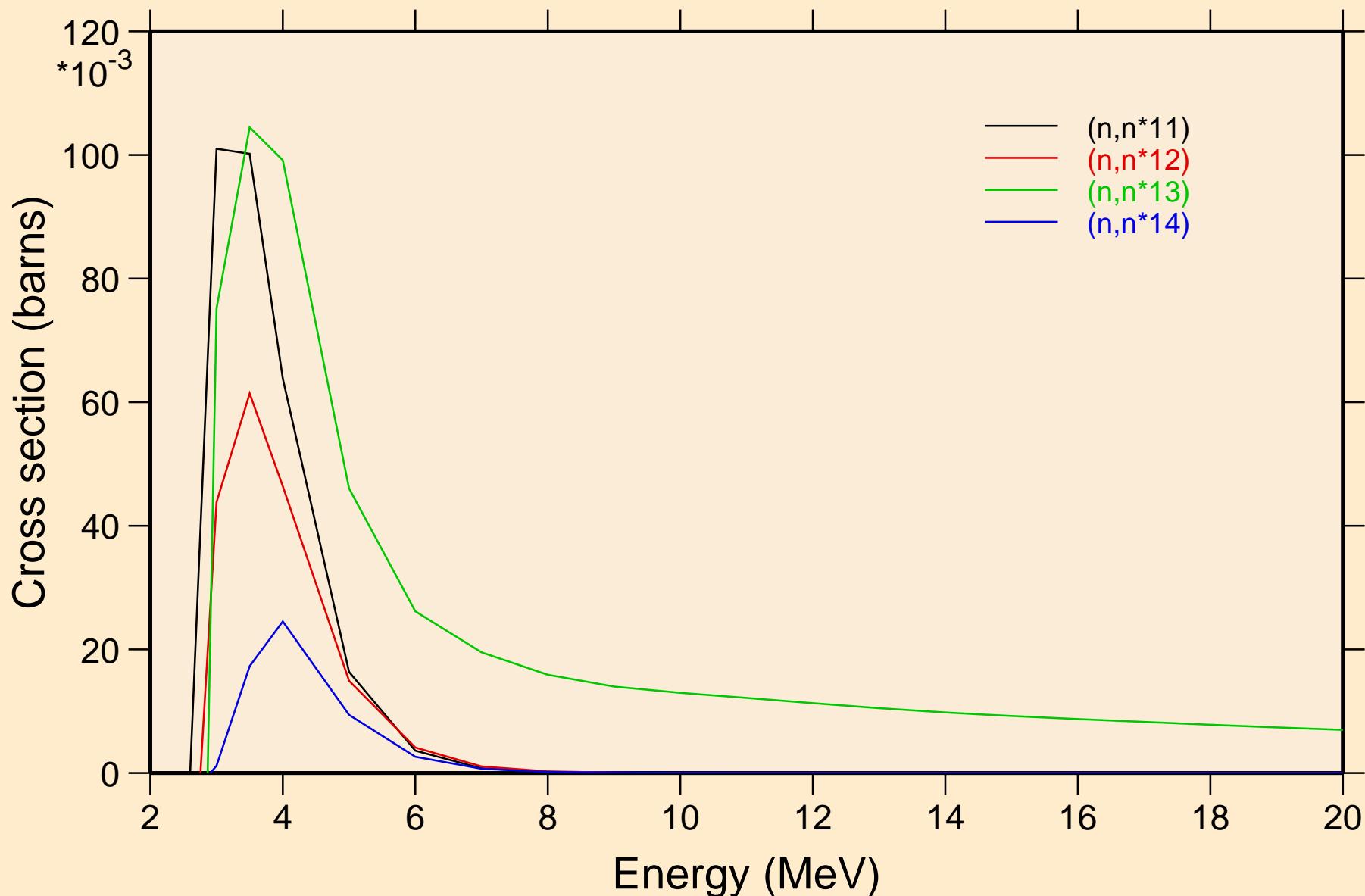
# ENDF/B-VII ND-142

## Inelastic levels



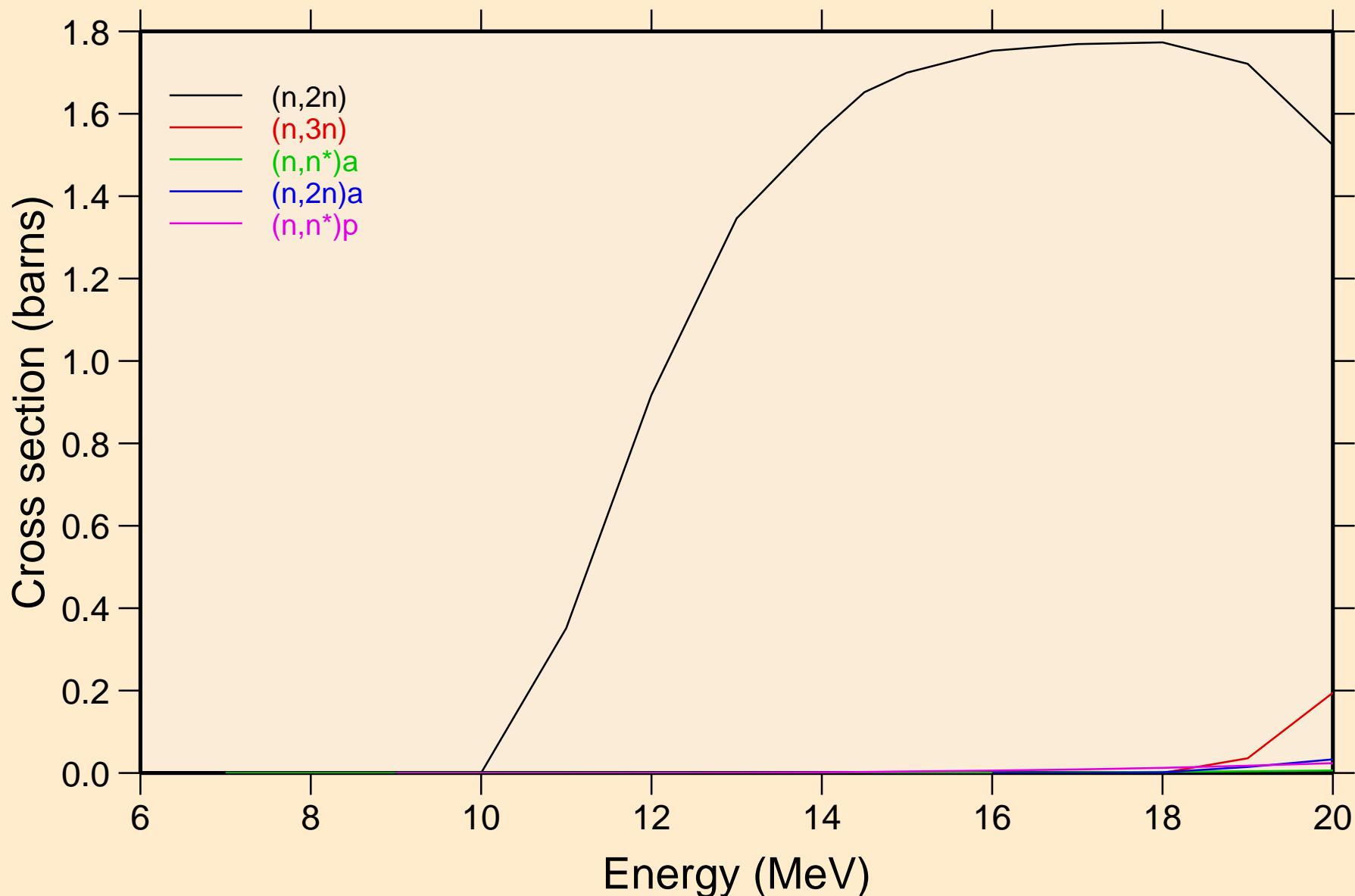
# ENDF/B-VII ND-142

## Inelastic levels



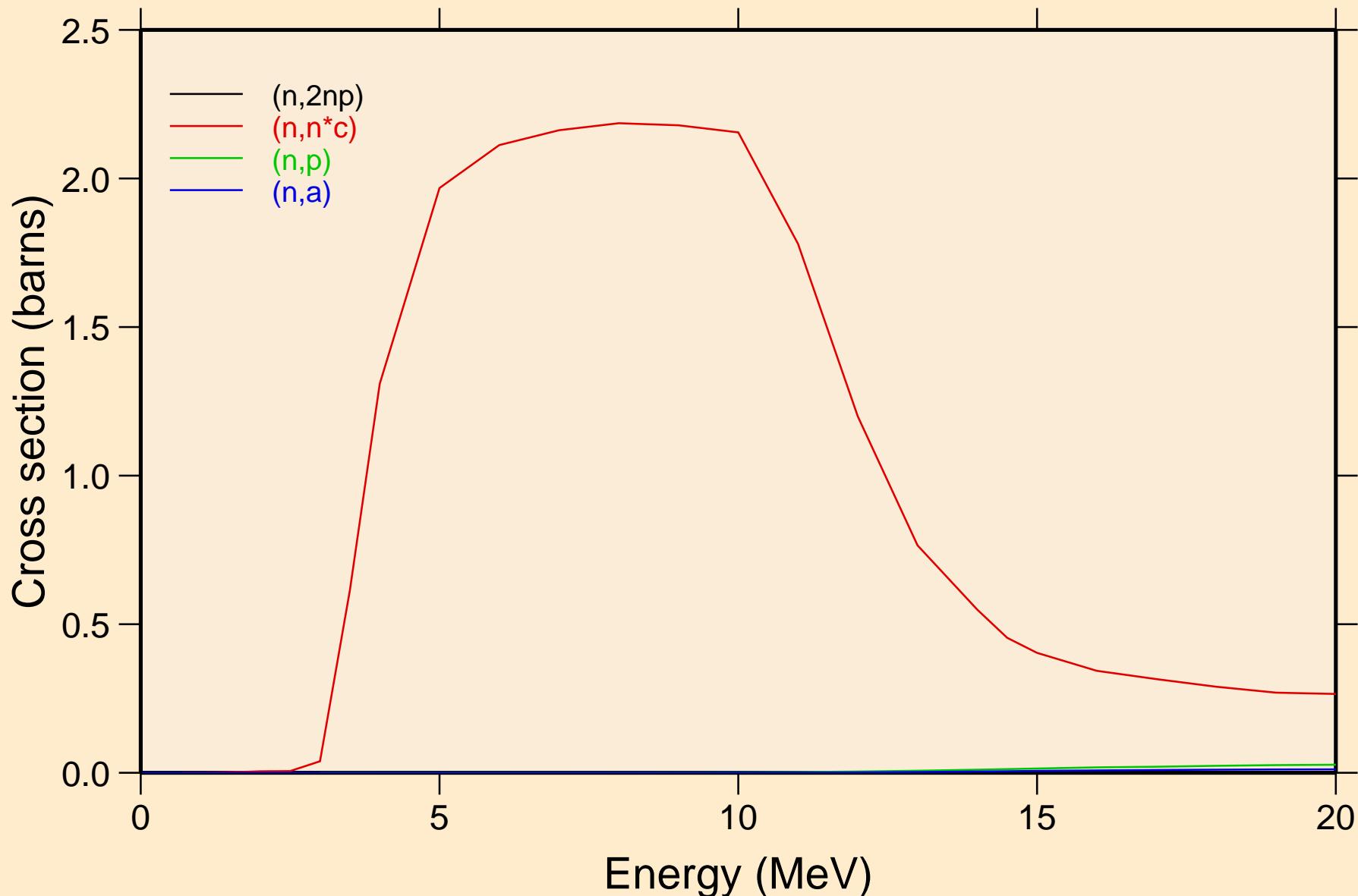
# ENDF/B-VII ND-142

## Threshold reactions



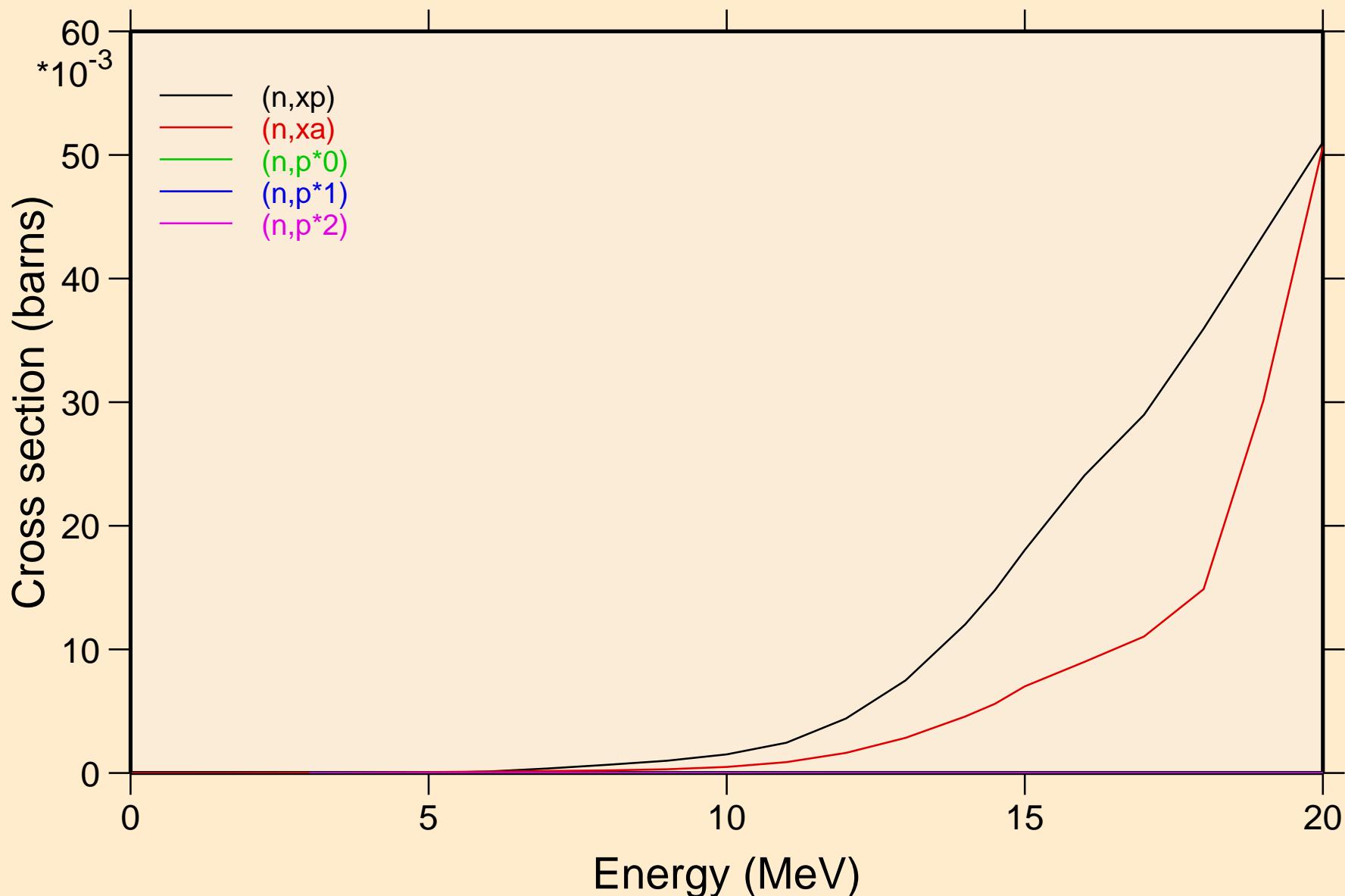
# ENDF/B-VII ND-142

## Threshold reactions



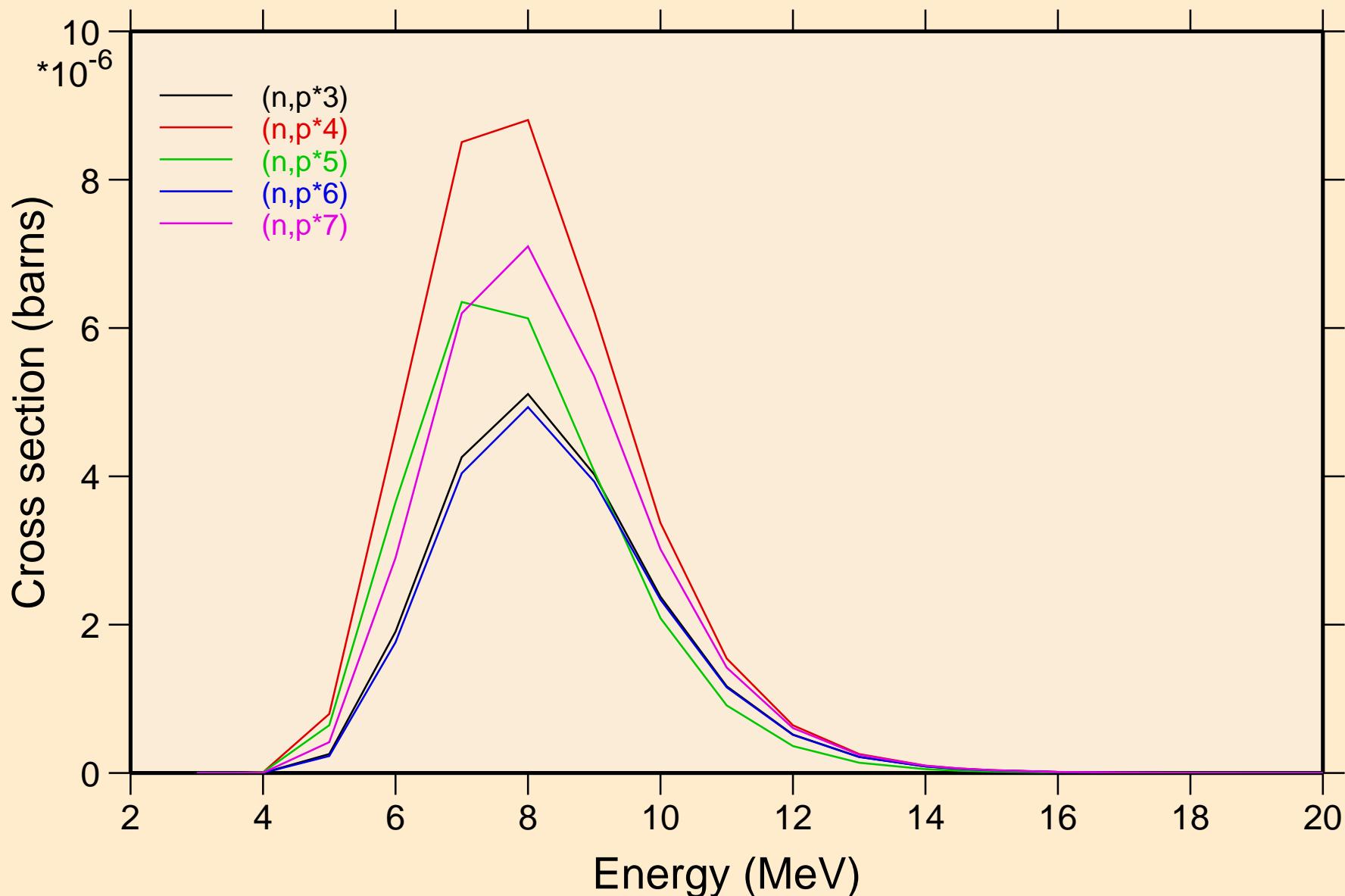
# ENDF/B-VII ND-142

## Threshold reactions



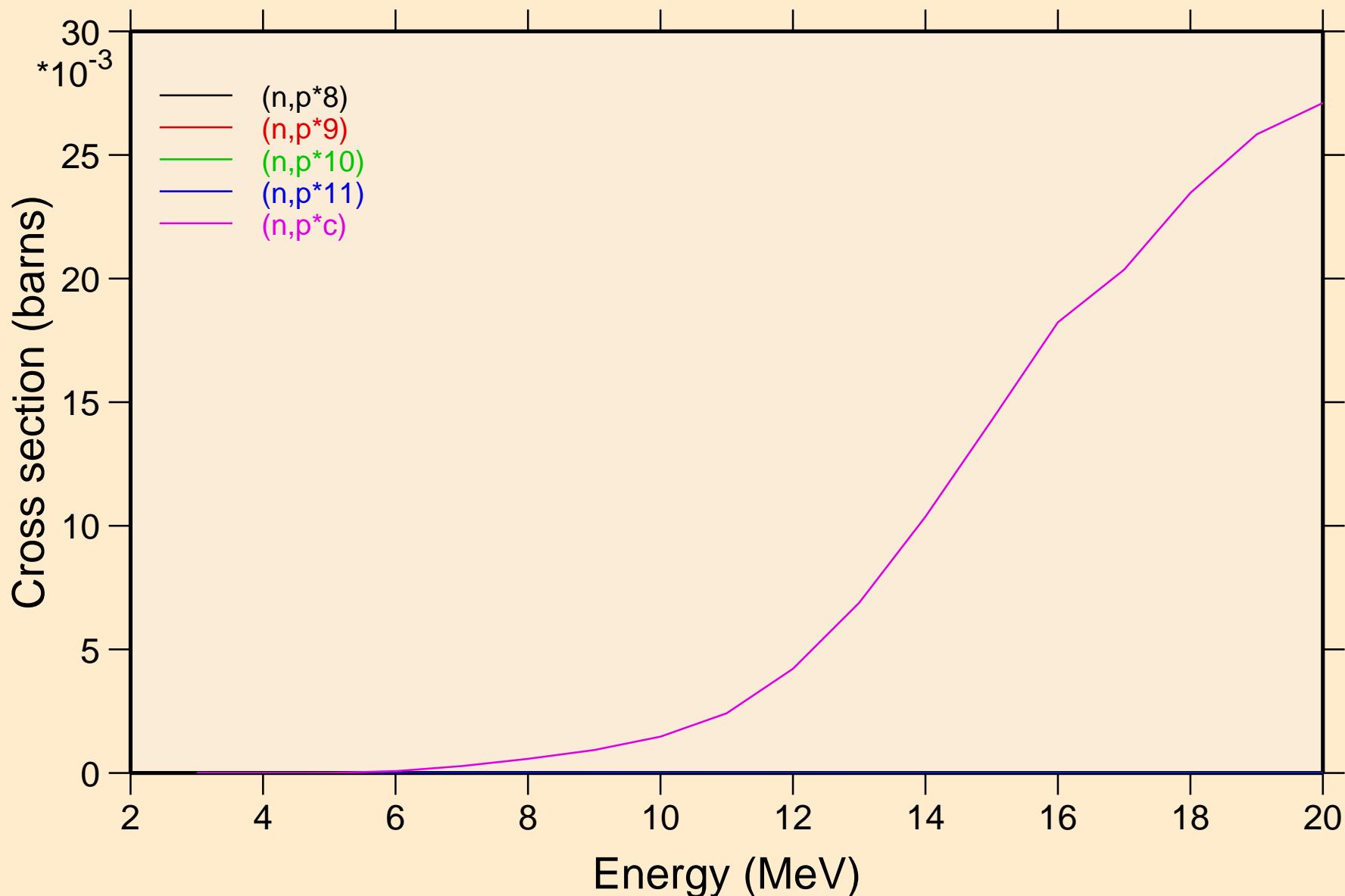
# ENDF/B-VII ND-142

## Threshold reactions



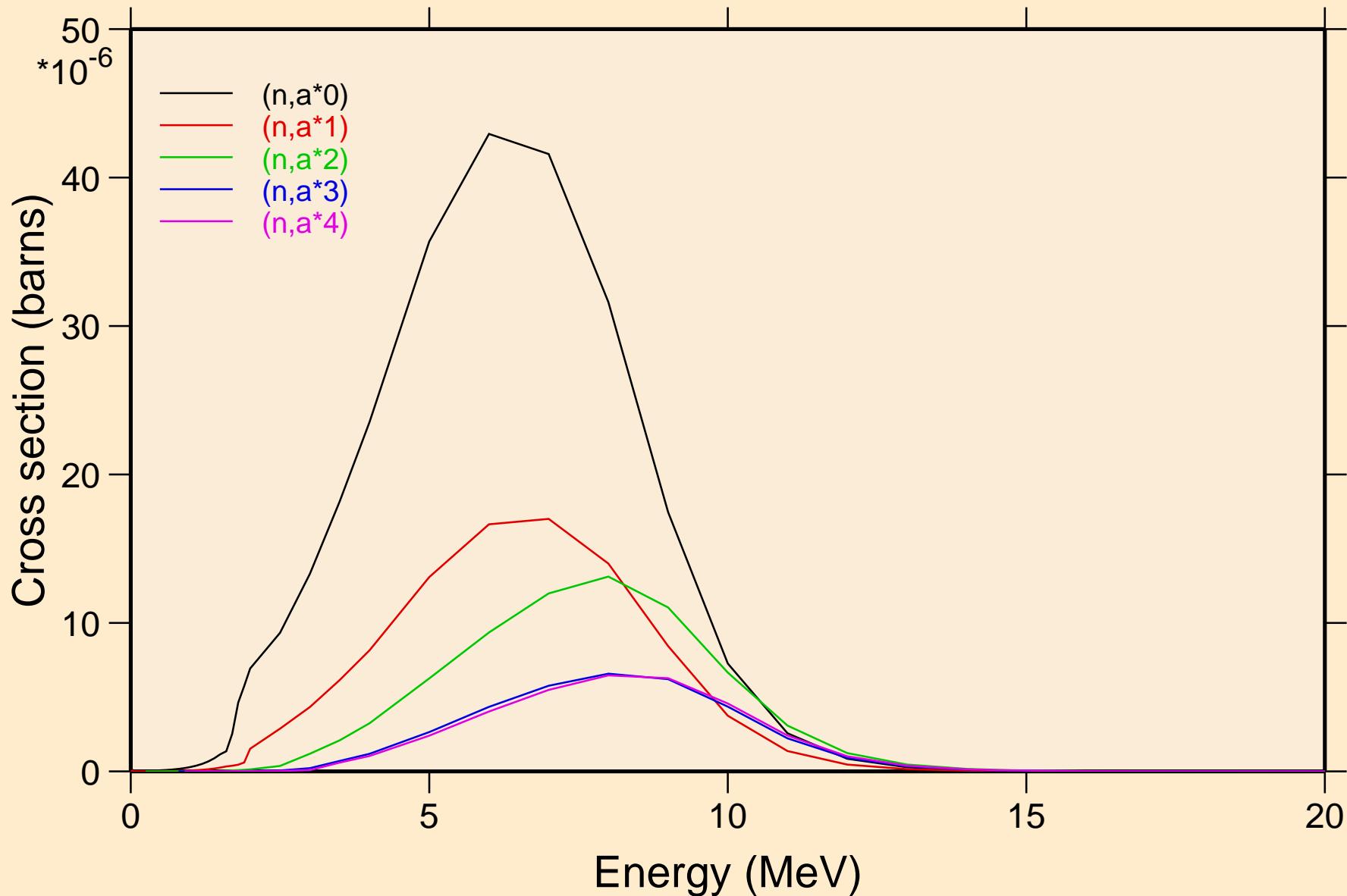
# ENDF/B-VII ND-142

## Threshold reactions



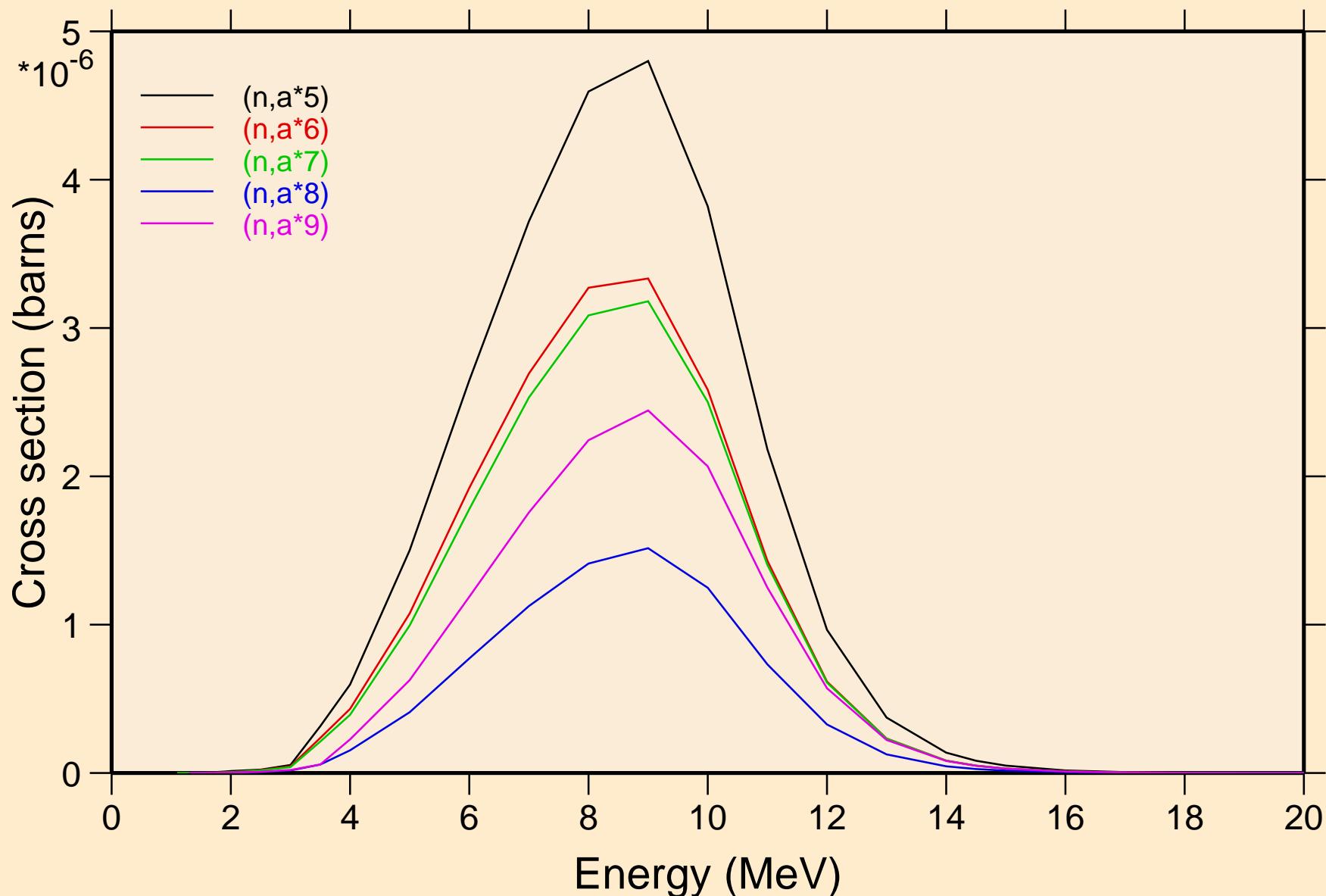
# ENDF/B-VII ND-142

## Threshold reactions



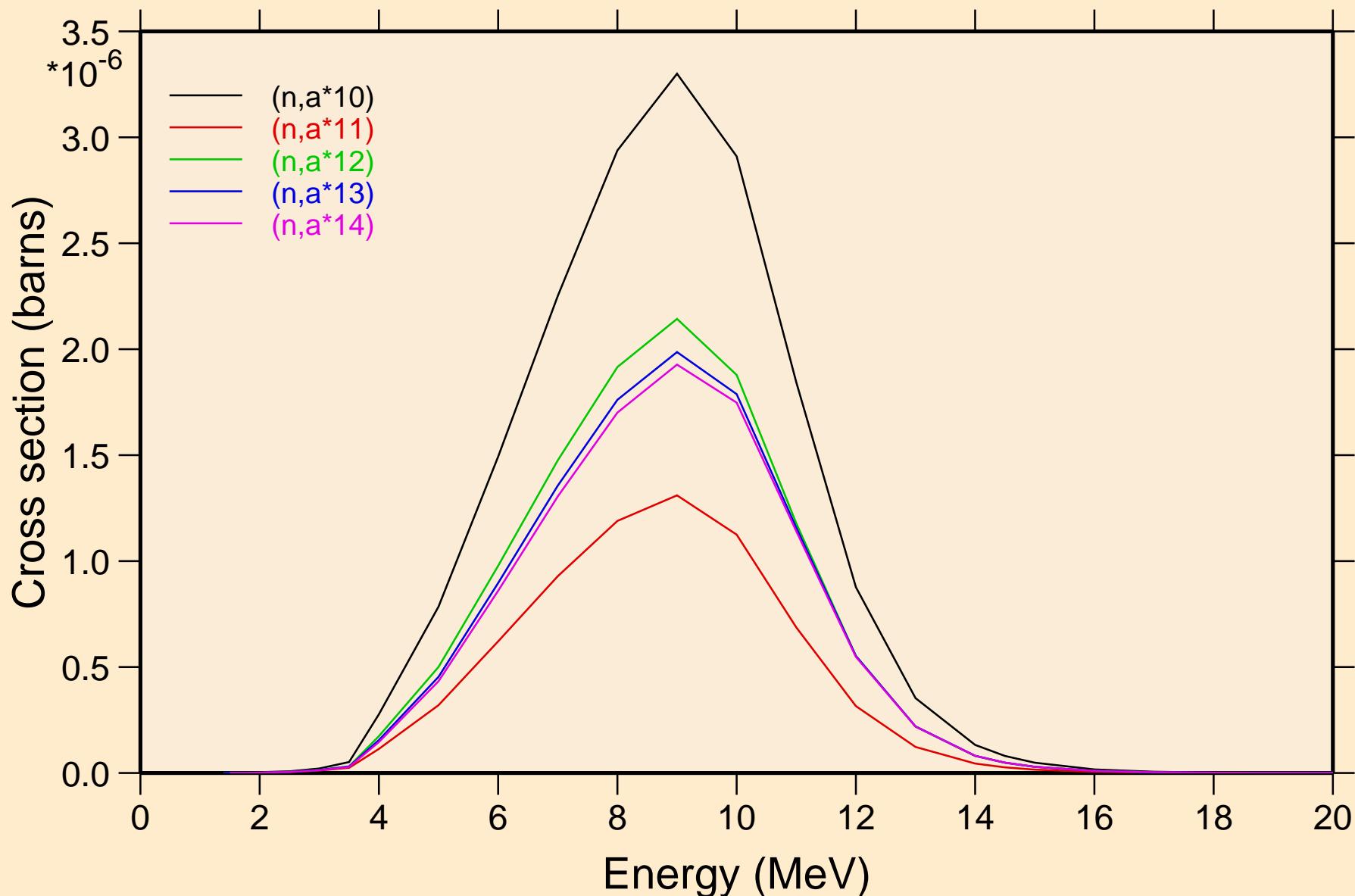
# ENDF/B-VII ND-142

## Threshold reactions



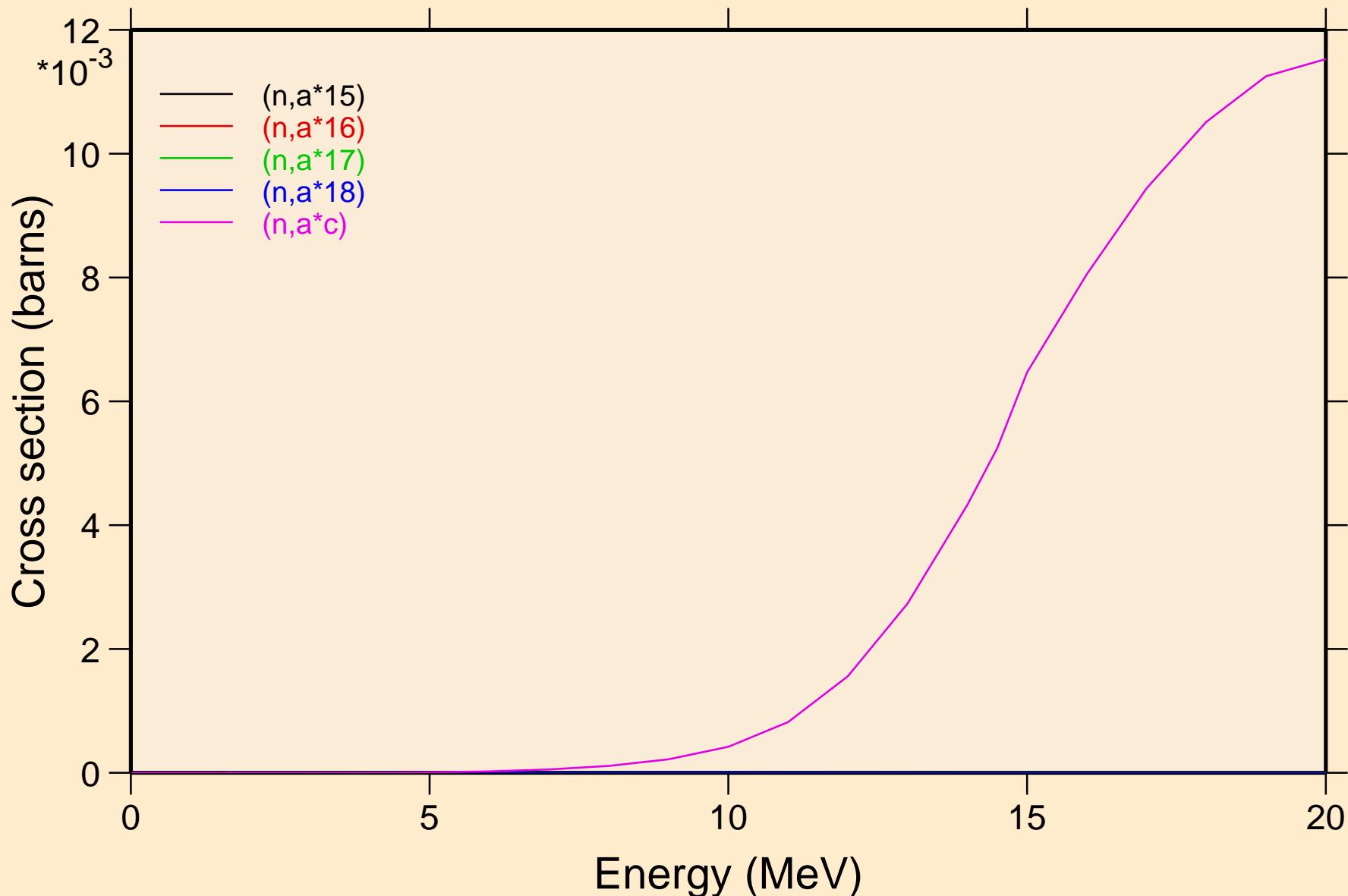
# ENDF/B-VII ND-142

## Threshold reactions

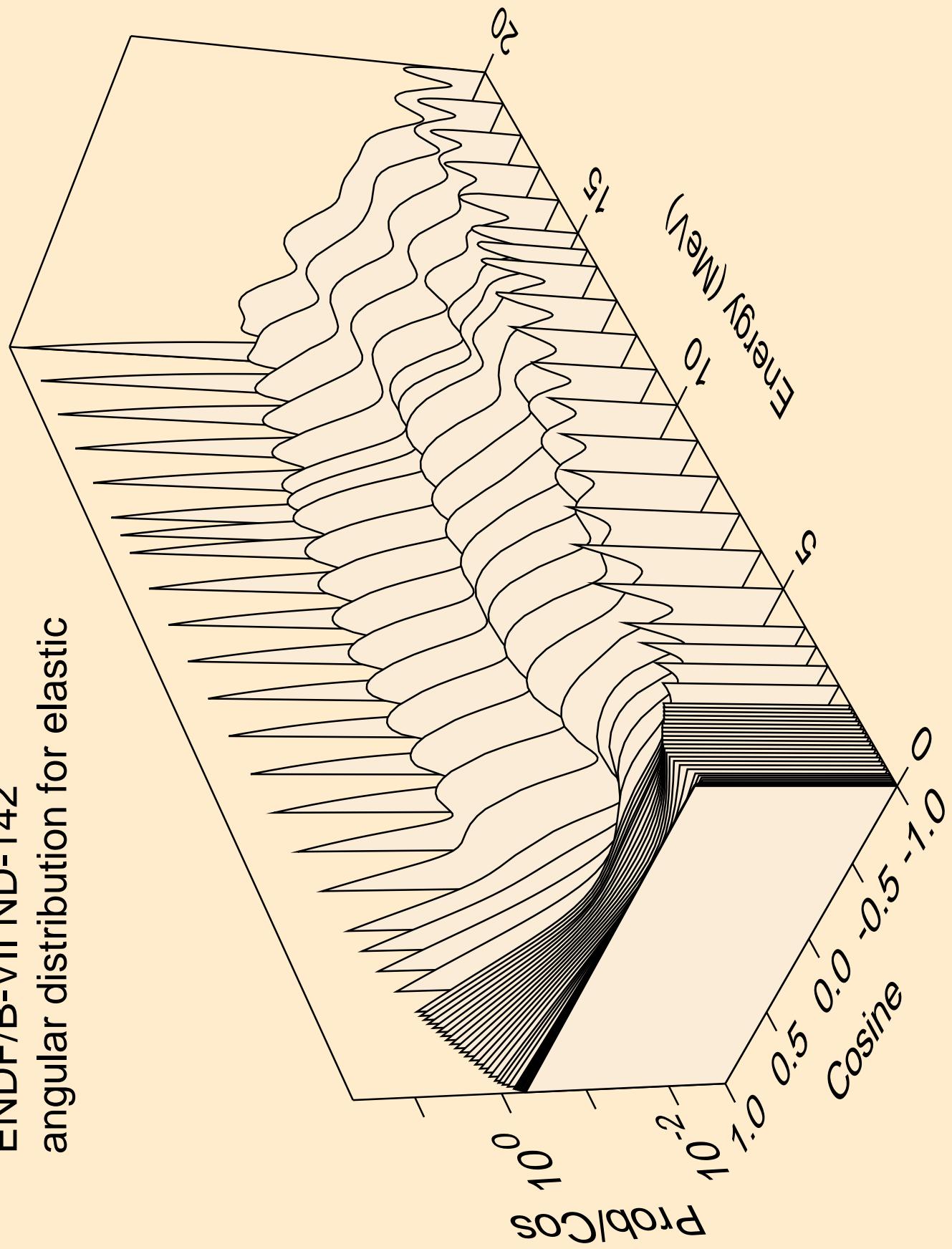


# ENDF/B-VII ND-142

## Threshold reactions

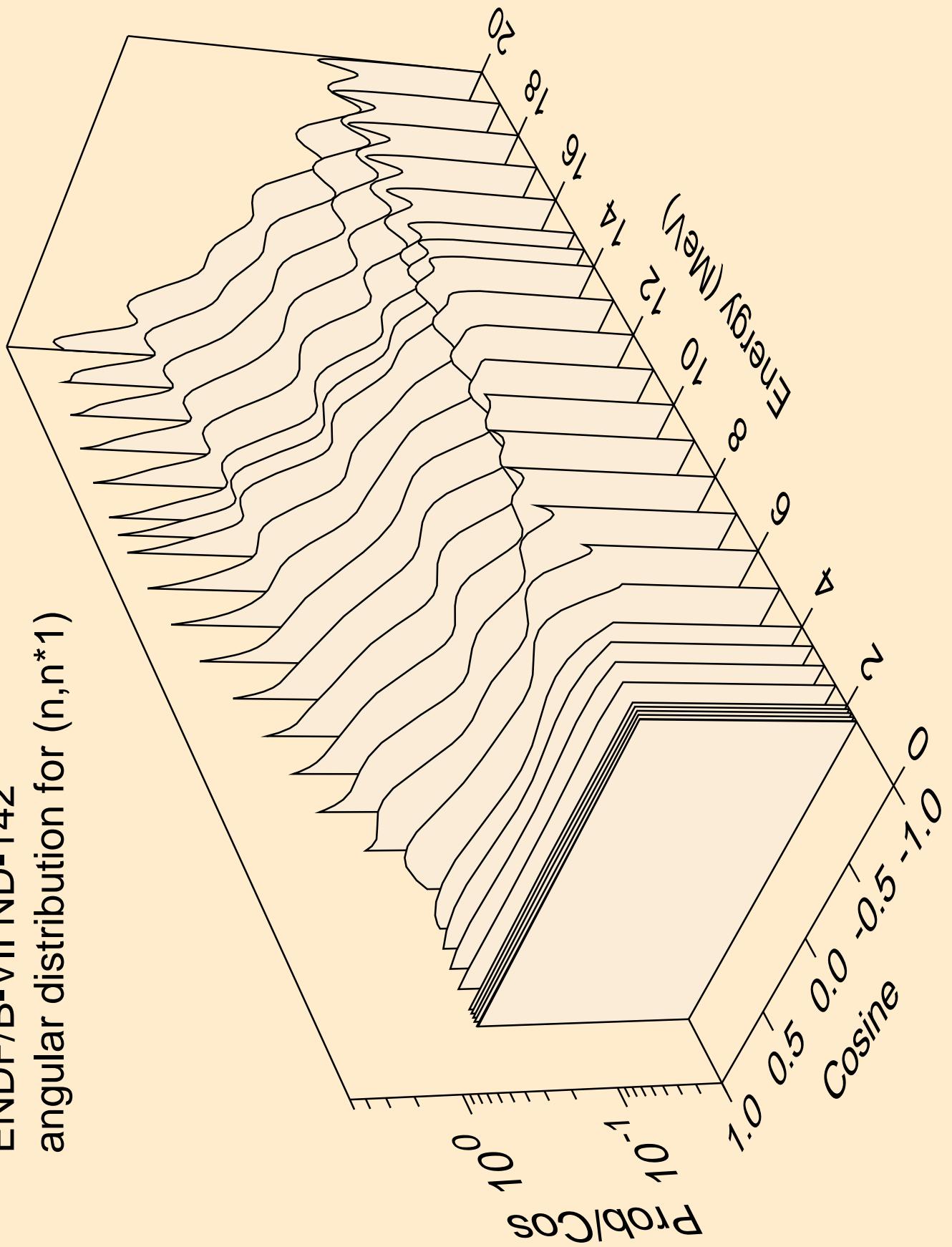


ENDF/B-VII ND-142  
angular distribution for elastic



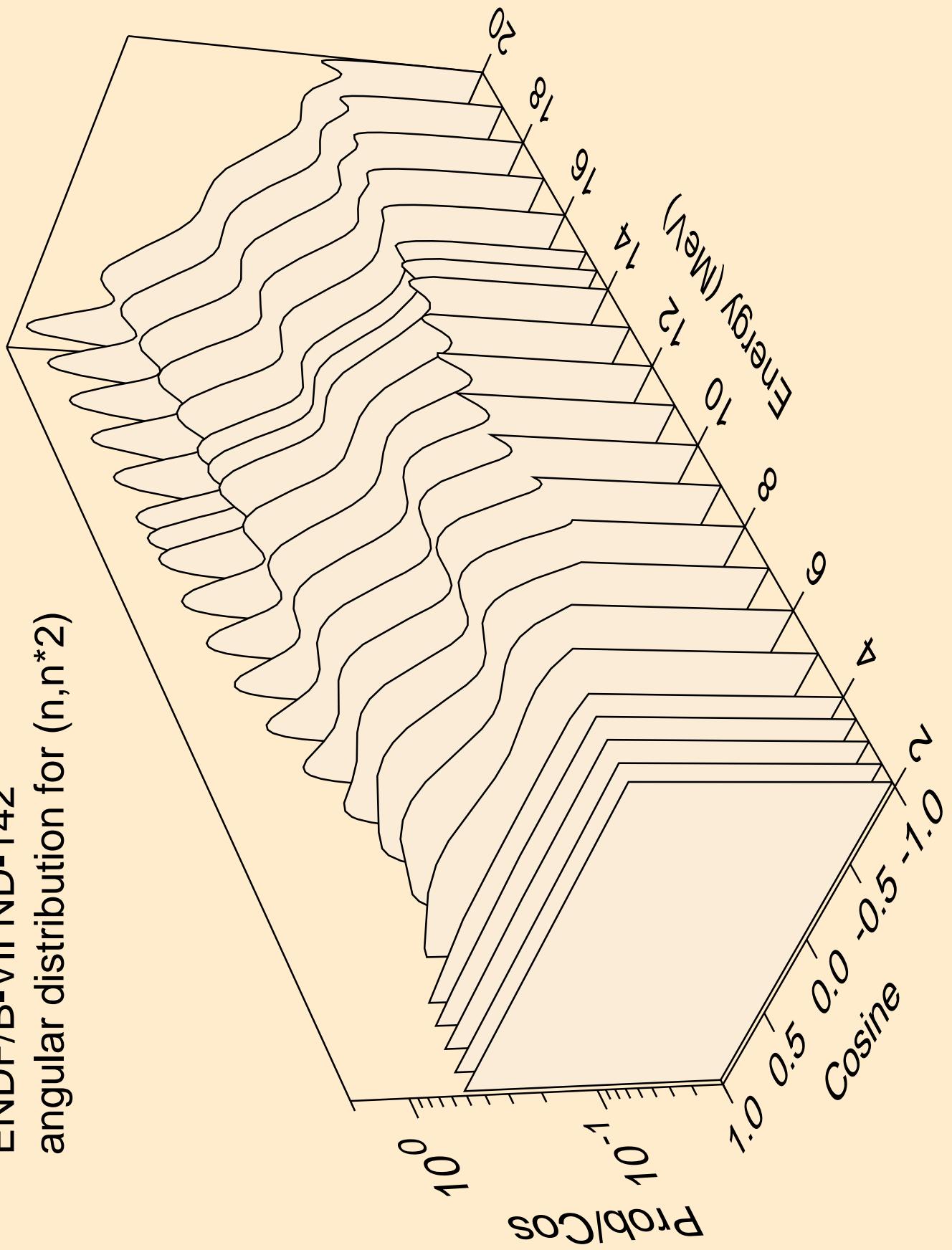
ENDF/B-VII ND-142

angular distribution for  $(n, n^*)$



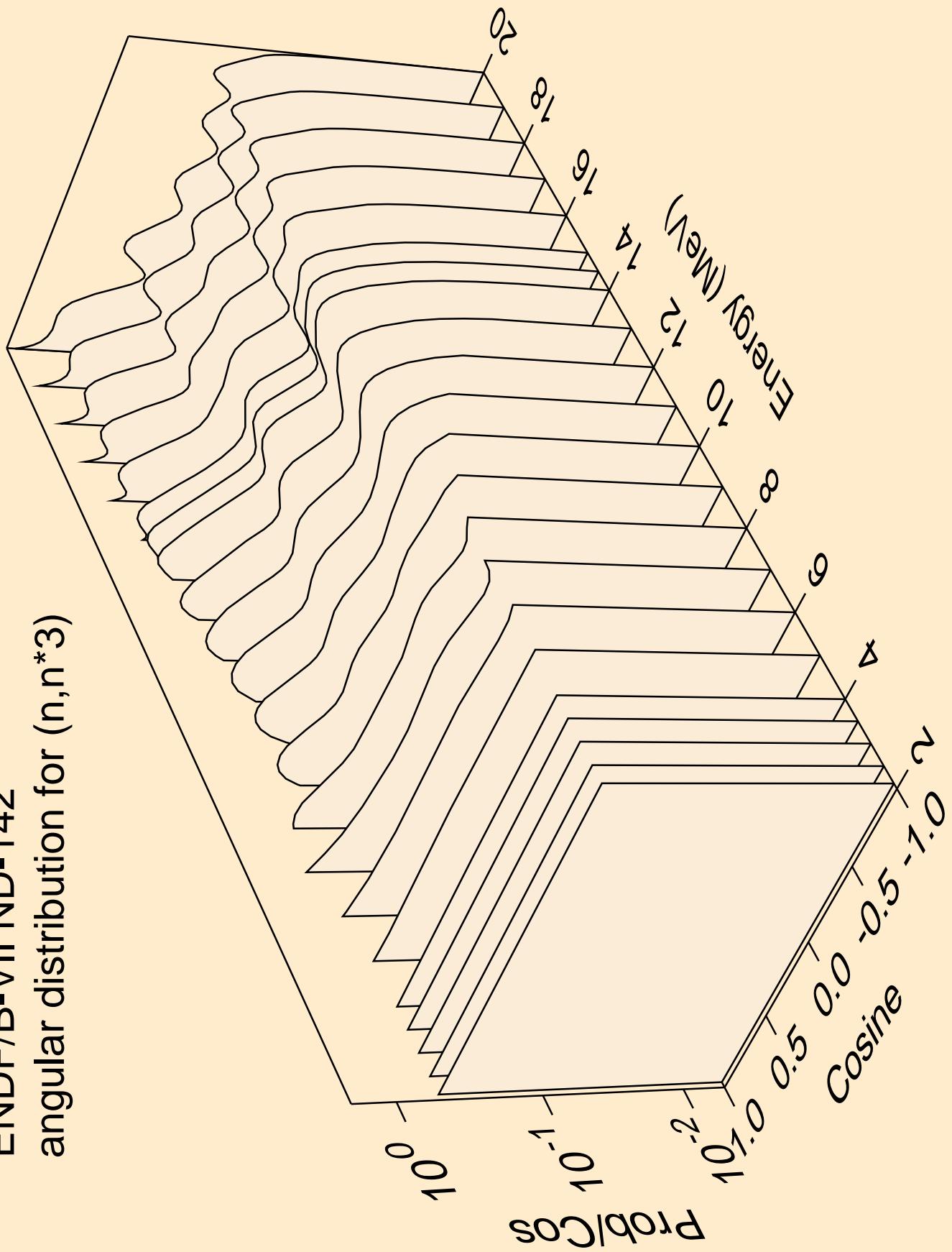
ENDF/B-VII ND-142

angular distribution for  $(n, n^* 2)$



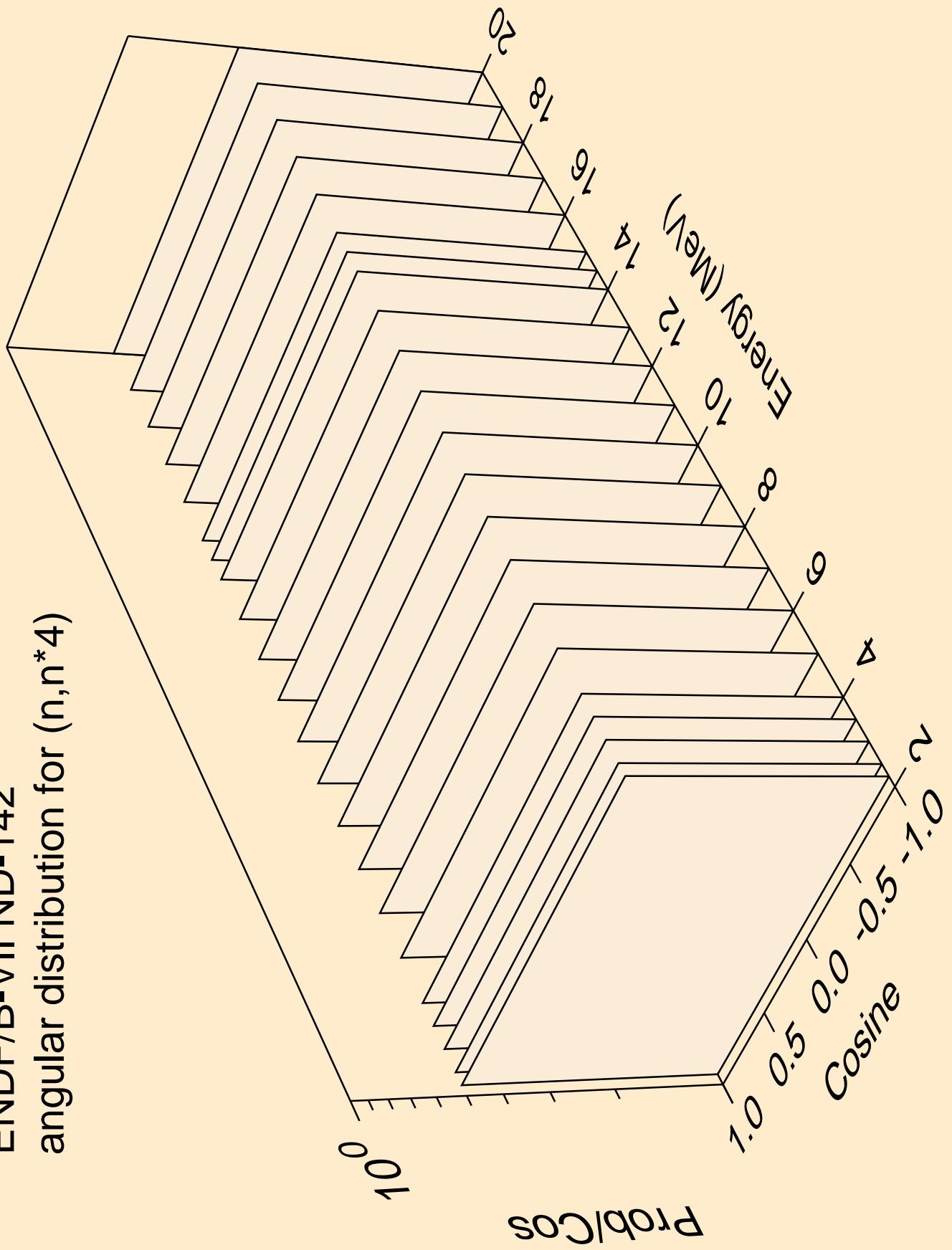
ENDF/B-VII ND-142

angular distribution for  $(n,n^*3)$



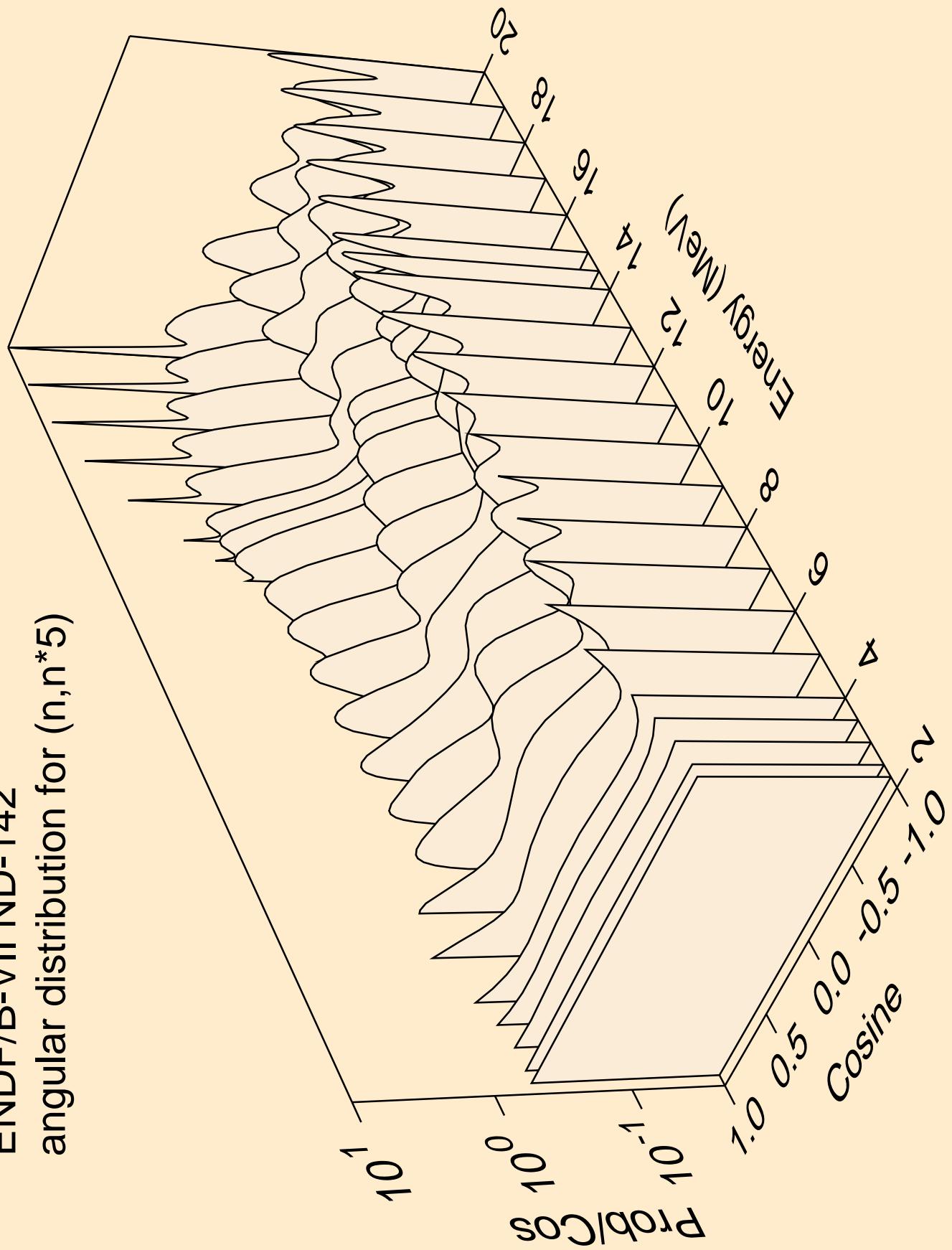
ENDF/B-VII ND-142

angular distribution for ( $n,n^*4$ )



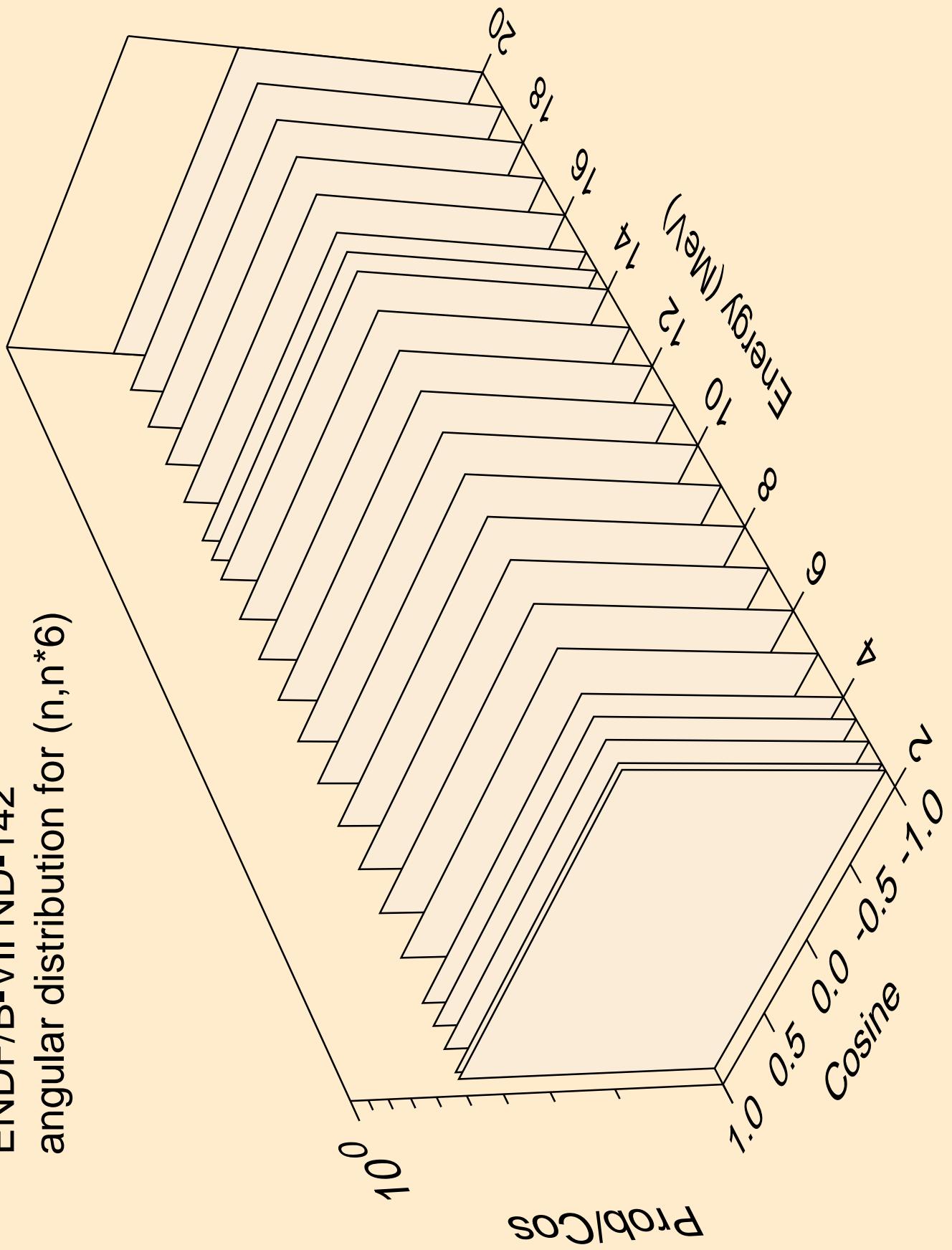
ENDF/B-VII ND-142

angular distribution for  $(n,n^*5)$



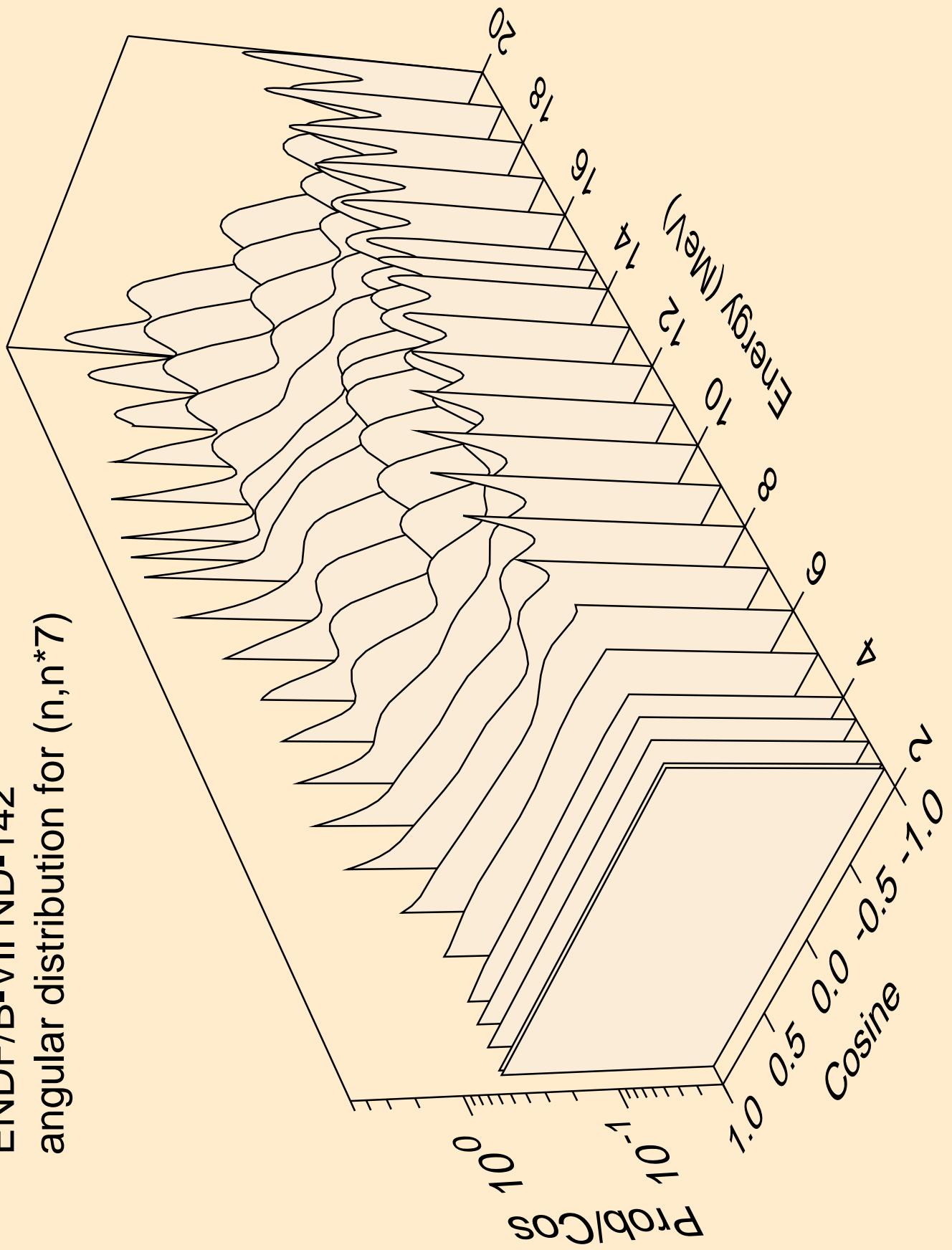
ENDF/B-VII ND-142

angular distribution for ( $n,n^*6$ )



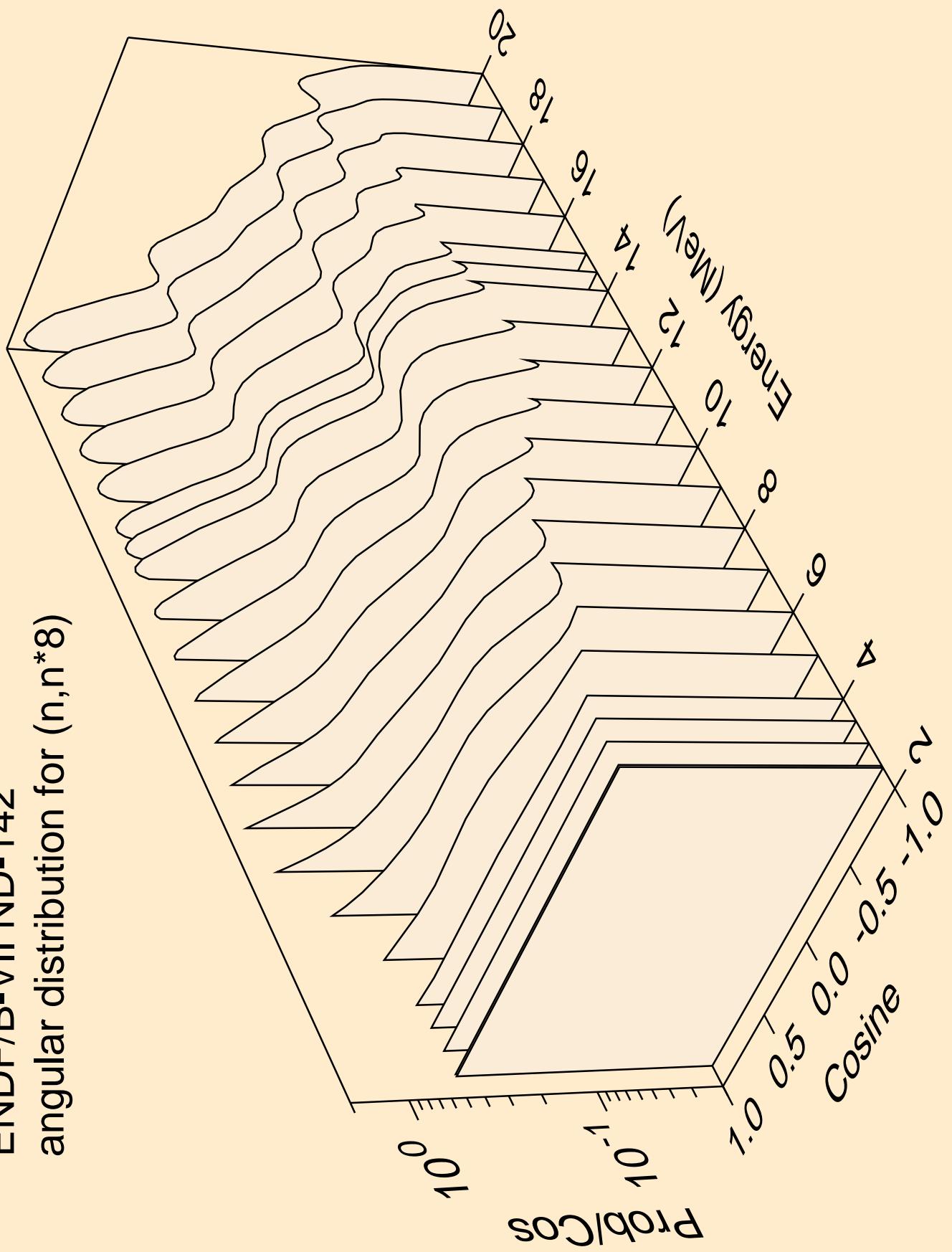
ENDF/B-VII ND-142

angular distribution for  $(n,n^*7)$



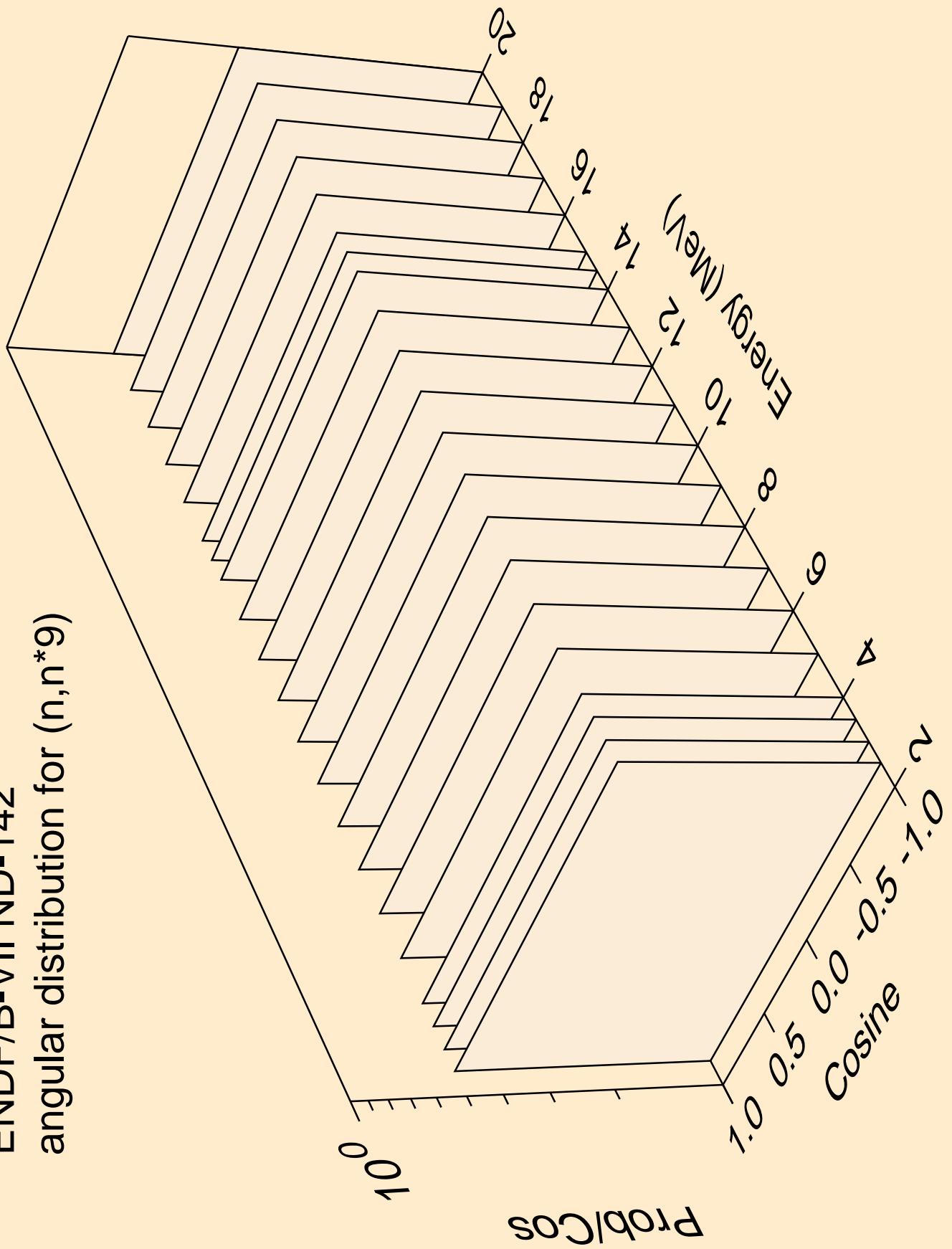
ENDF/B-VII ND-142

angular distribution for  $(n,n^*)^8$



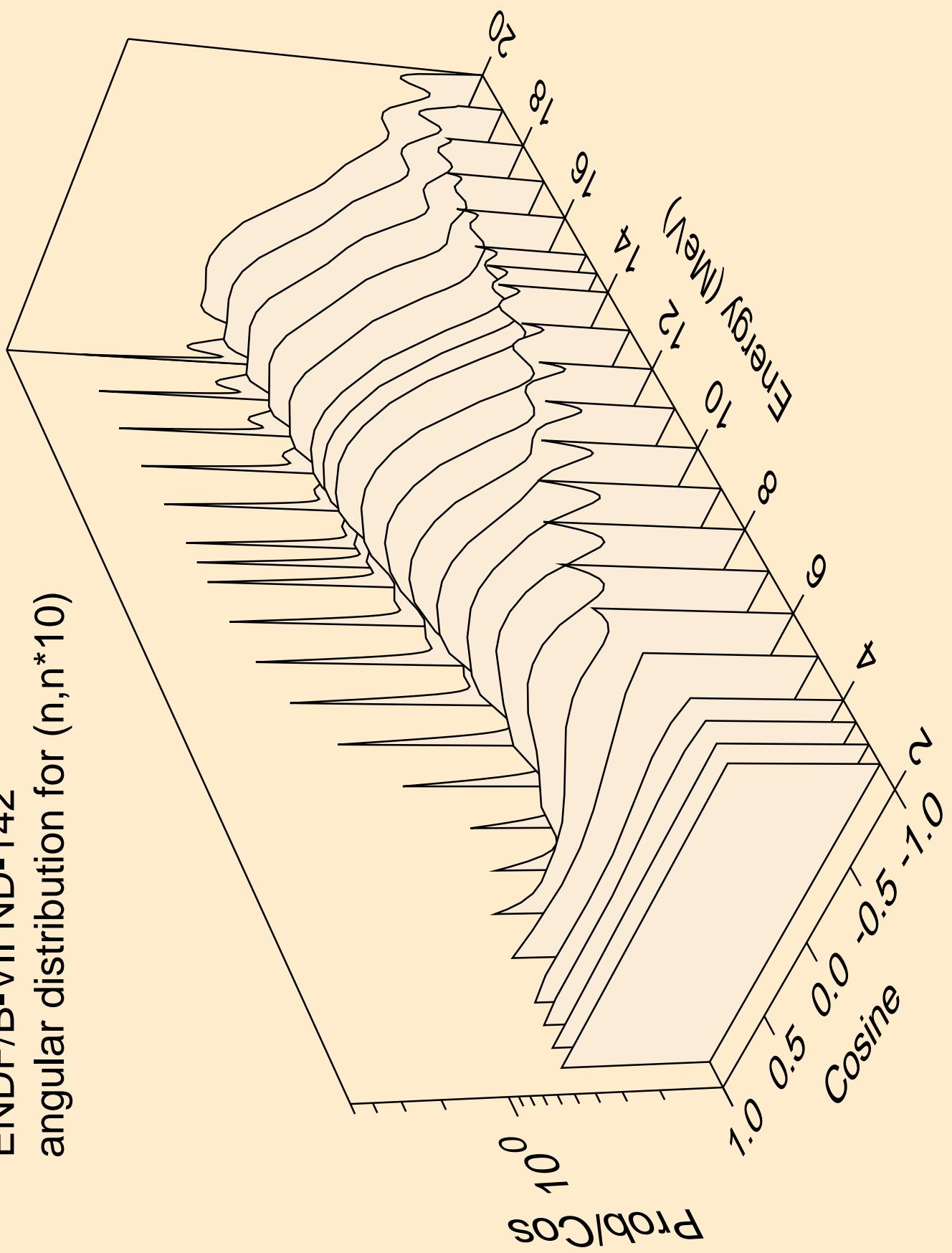
ENDF/B-VII ND-142

angular distribution for ( $n,n^*g$ )



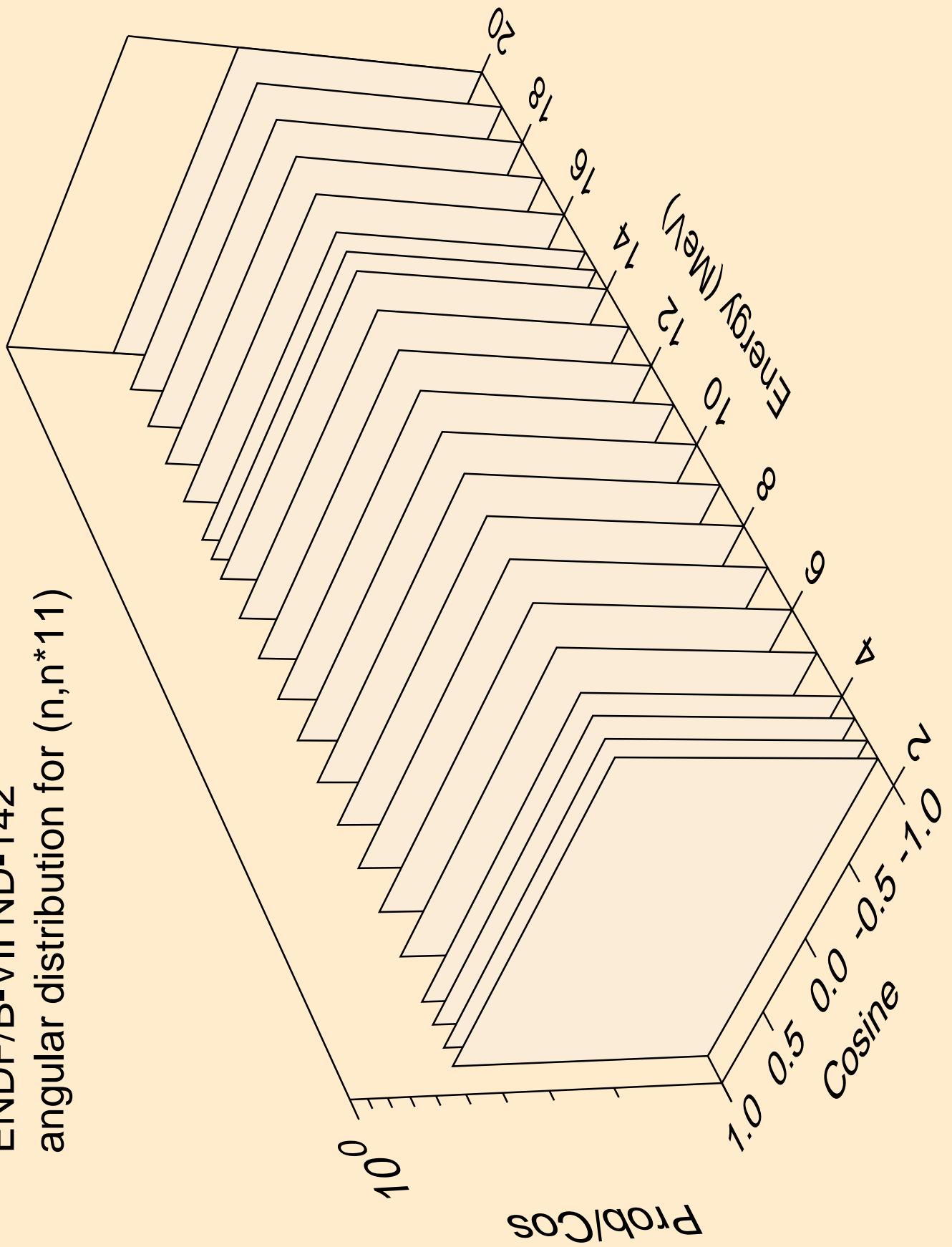
ENDF/B-VII ND-142

angular distribution for  $(n,n^*10)$



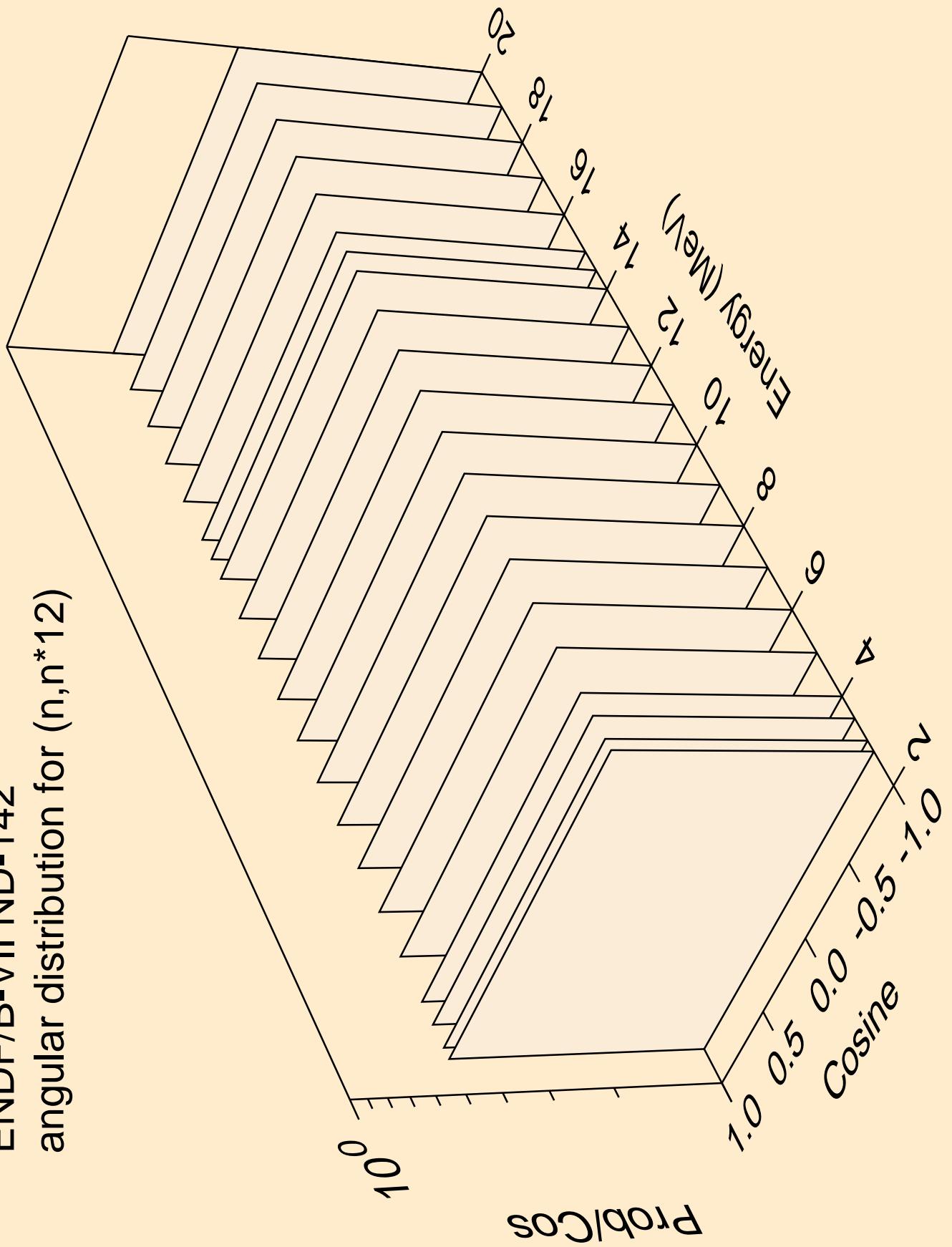
ENDF/B-VII ND-142

angular distribution for ( $n,n^*11$ )



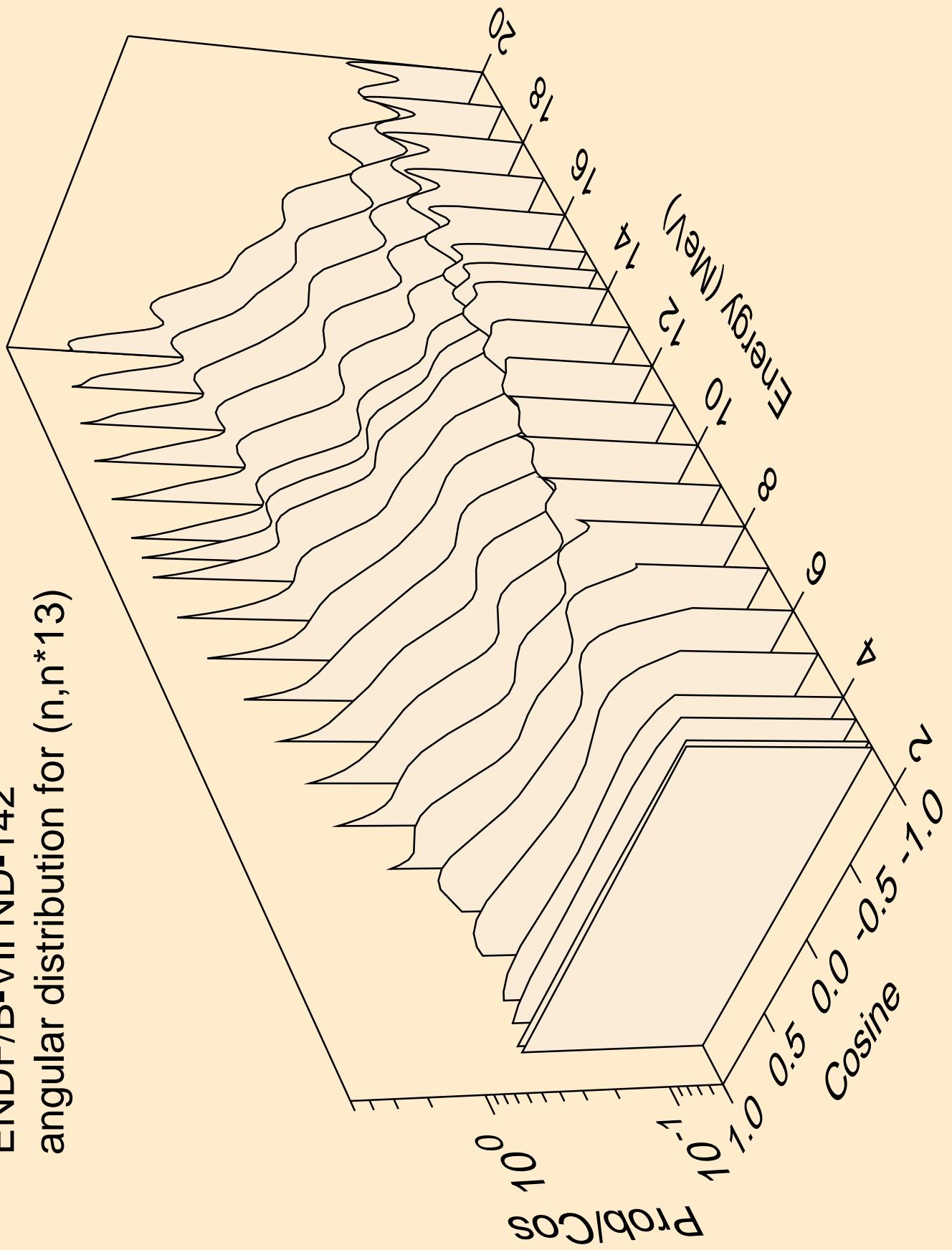
ENDF/B-VII ND-142

angular distribution for  $(n,n^*12)$



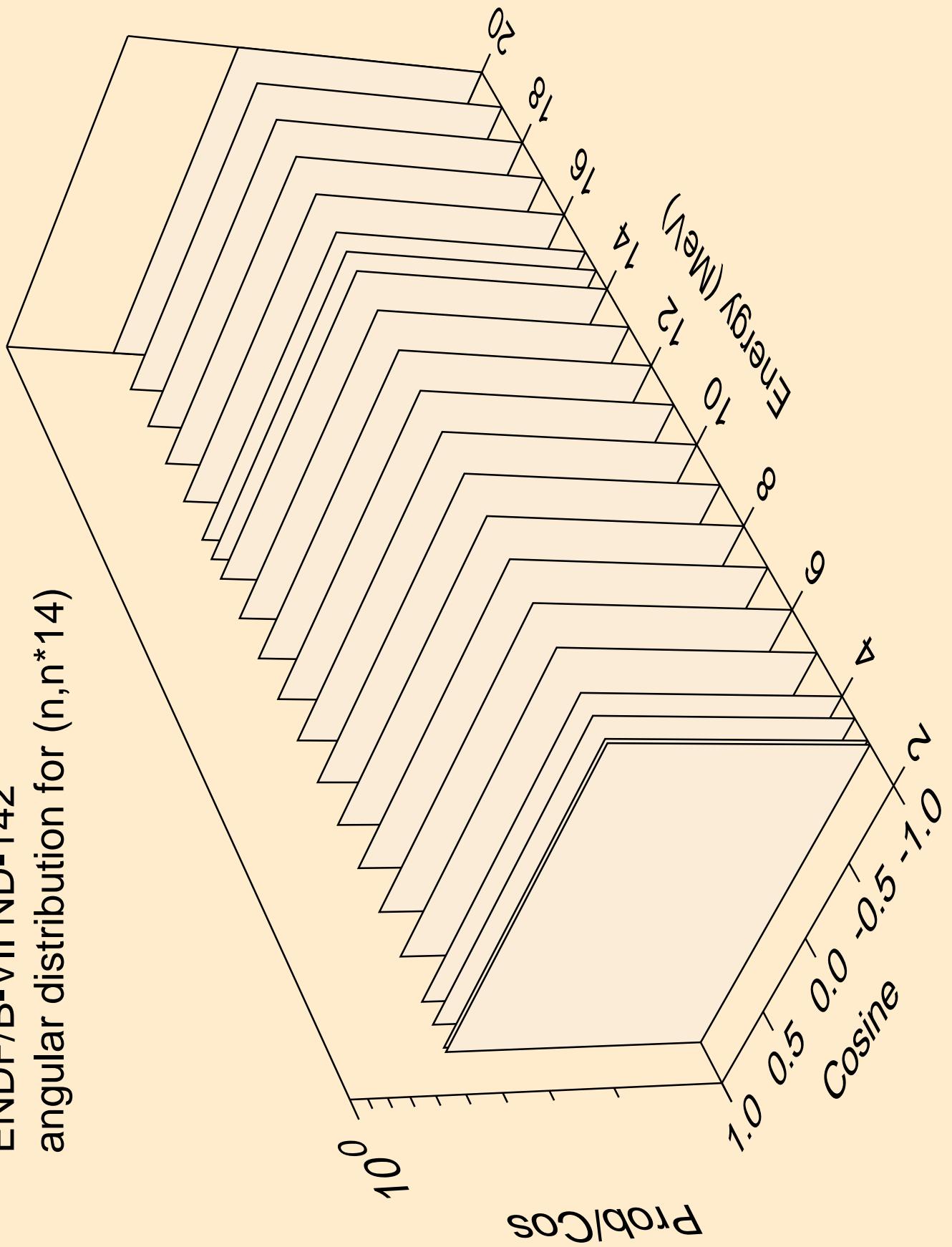
ENDF/B-VII ND-142

angular distribution for  $(n,n^*13)$

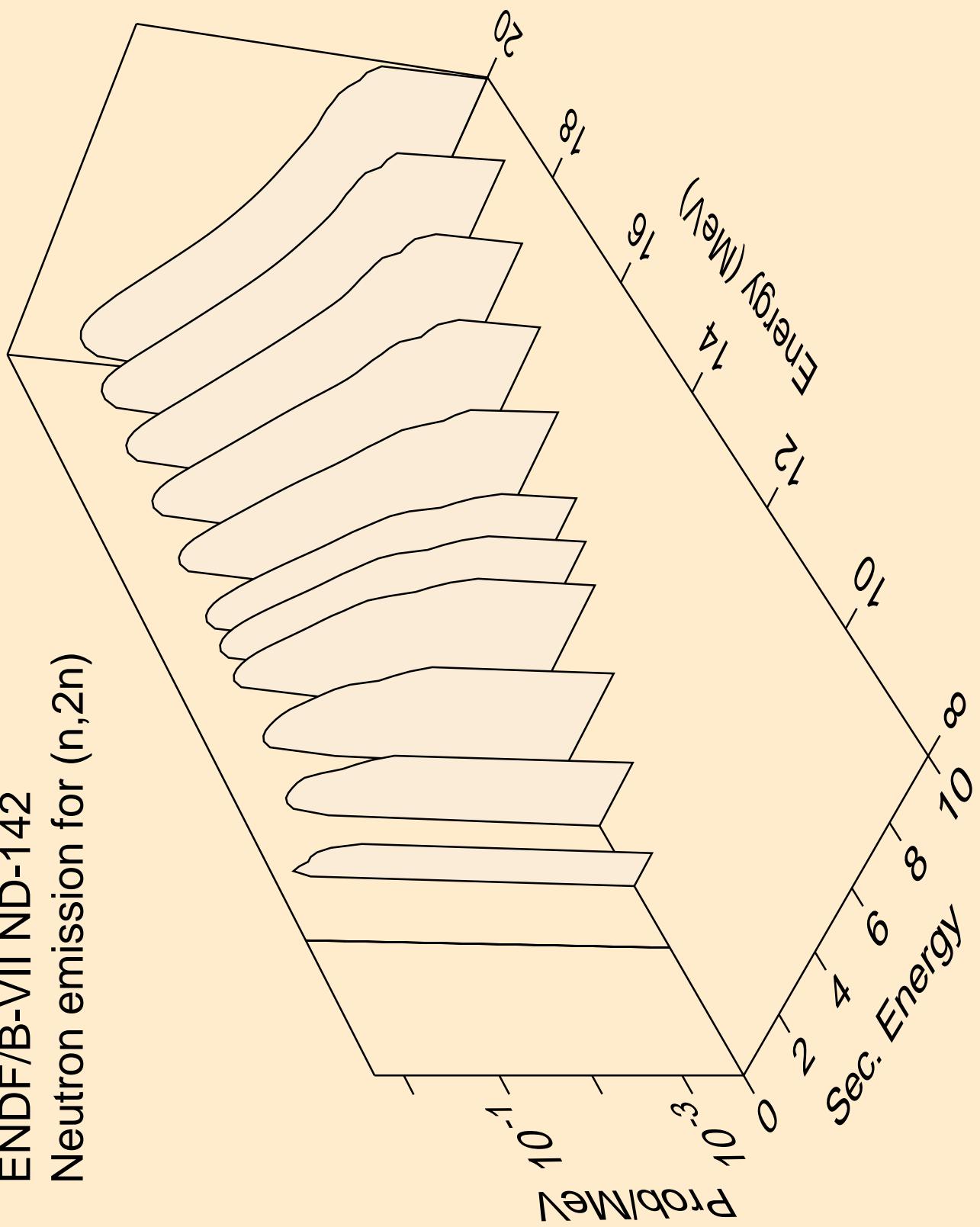


ENDF/B-VII ND-142

angular distribution for ( $n,n^*14$ )

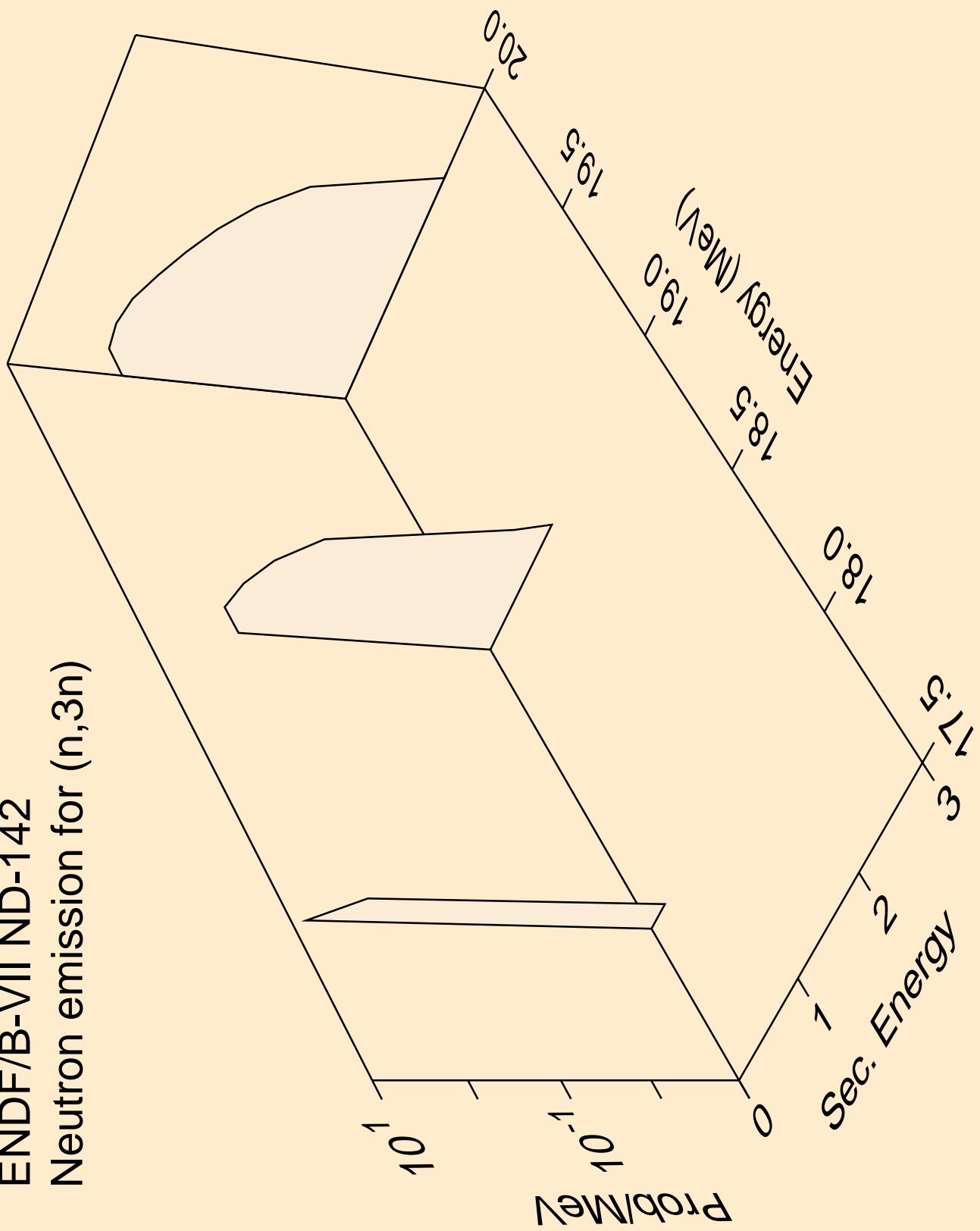


# ENDF/B-VII ND-142 Neutron emission for (n



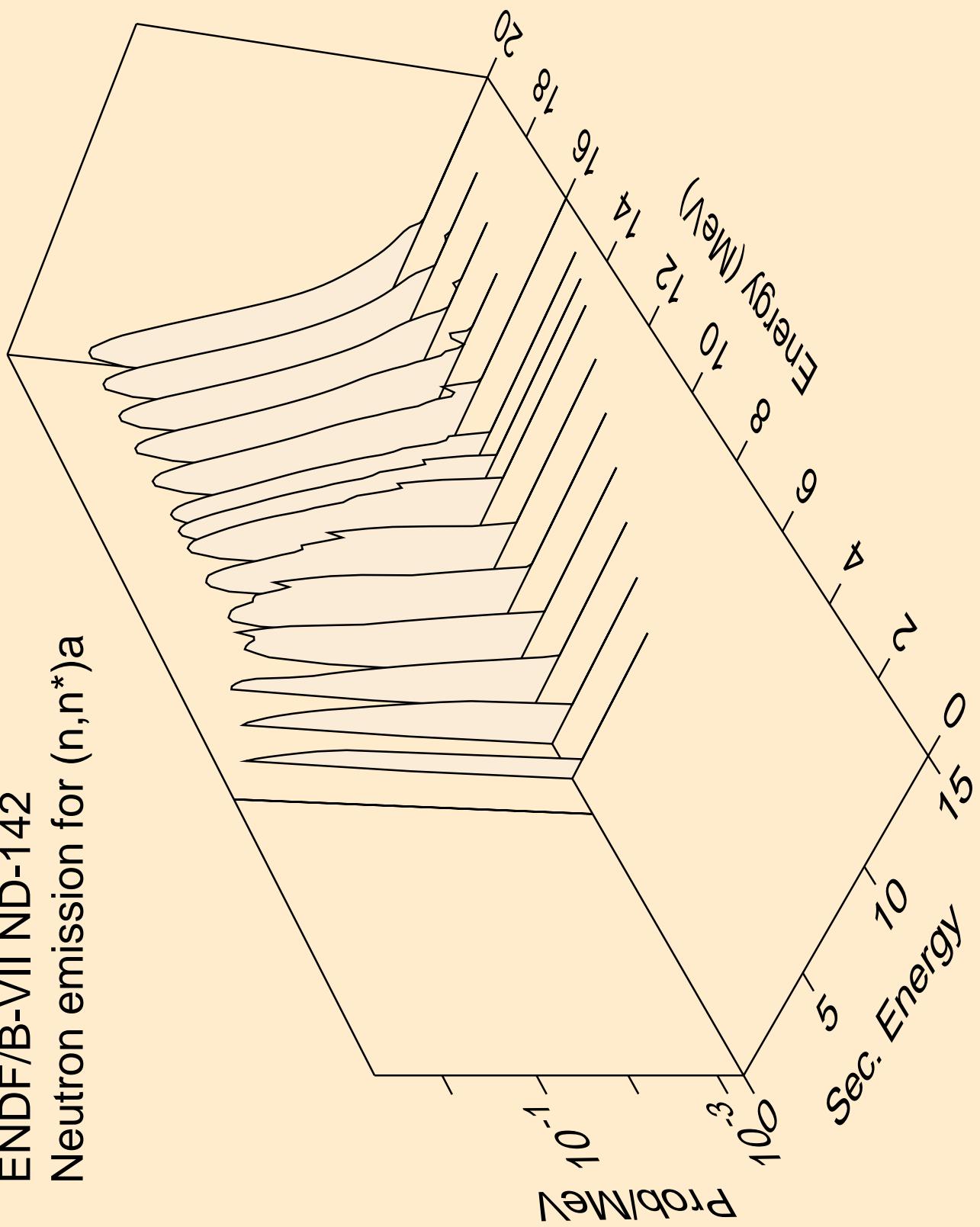
ENDF/B-VII ND-142

Neutron emission for  $(n,3n)$



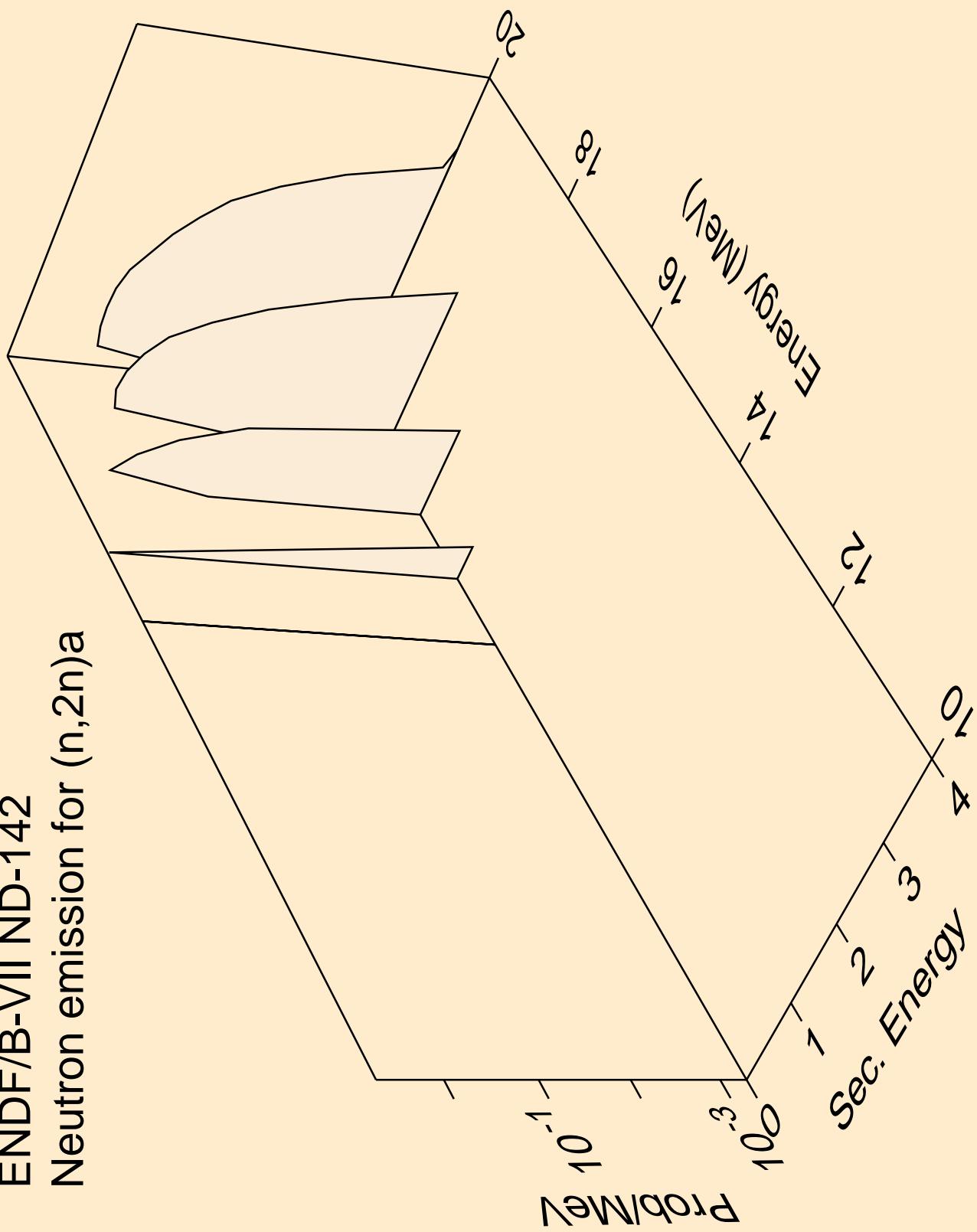
ENDF/B-VII ND-142

Neutron emission for  $(n, n^*)\alpha$



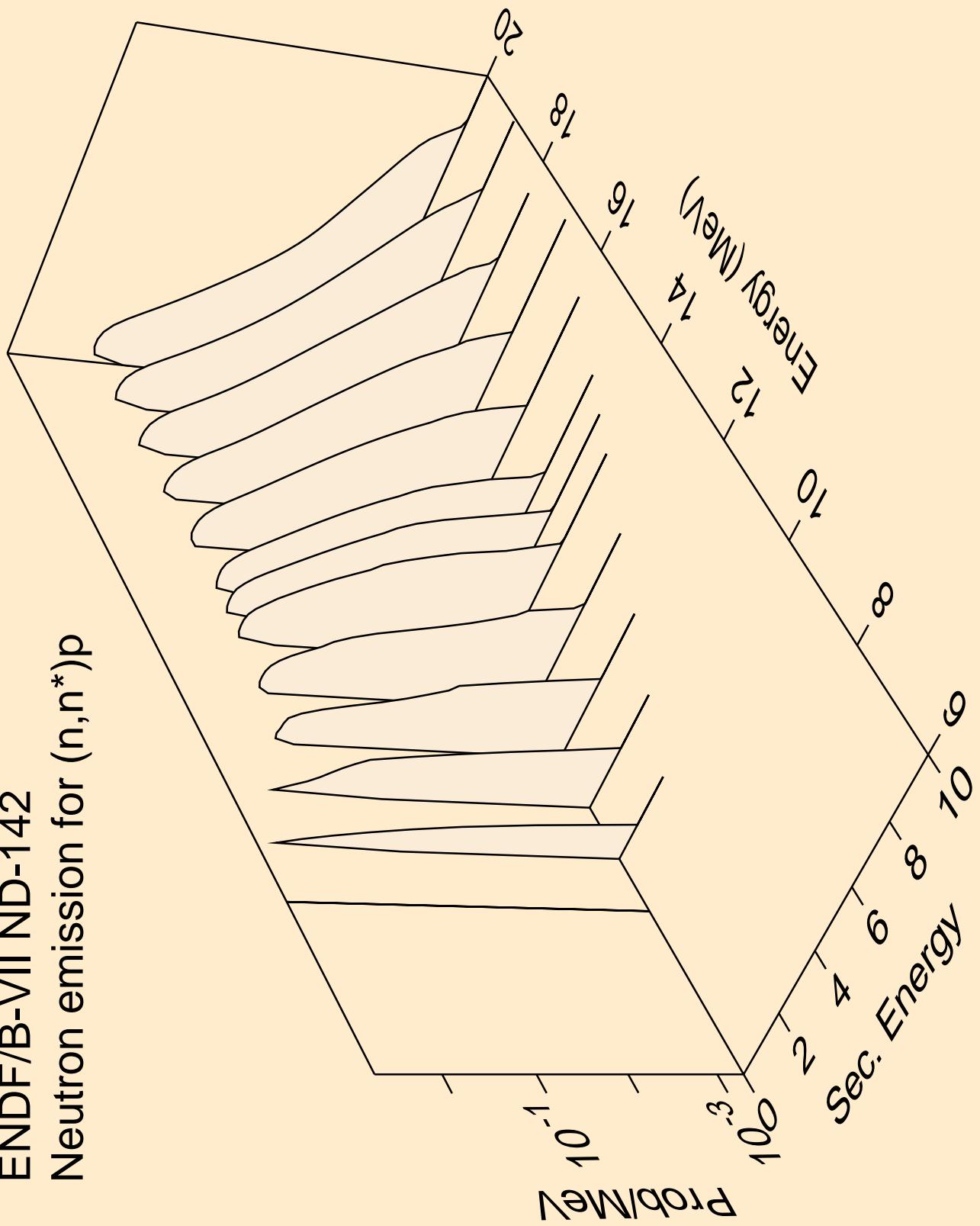
ENDF/B-VII ND-142

Neutron emission for  $(n,2n)a$



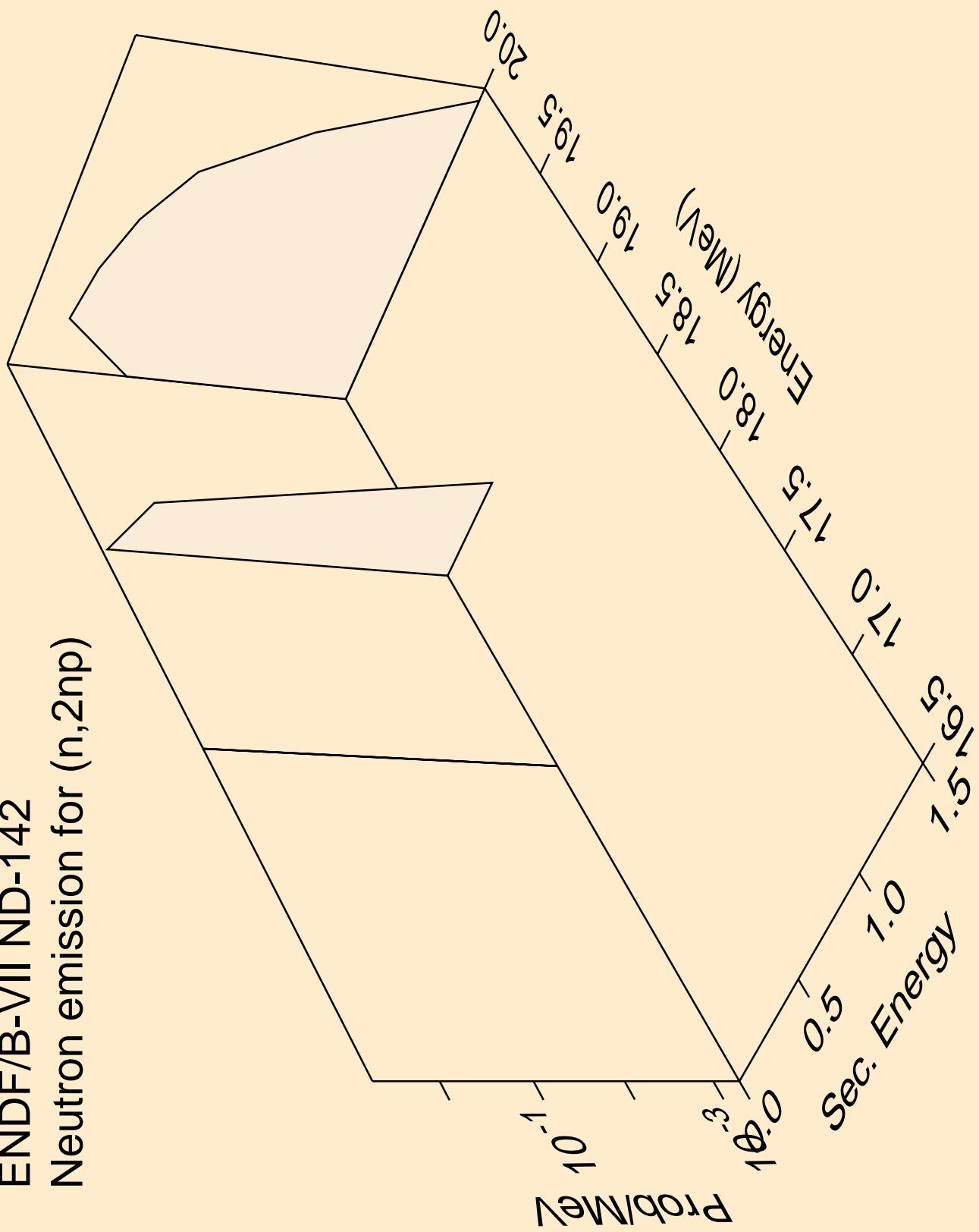
ENDF/B-VII ND-142

Neutron emission for  $(n, n^*)p$



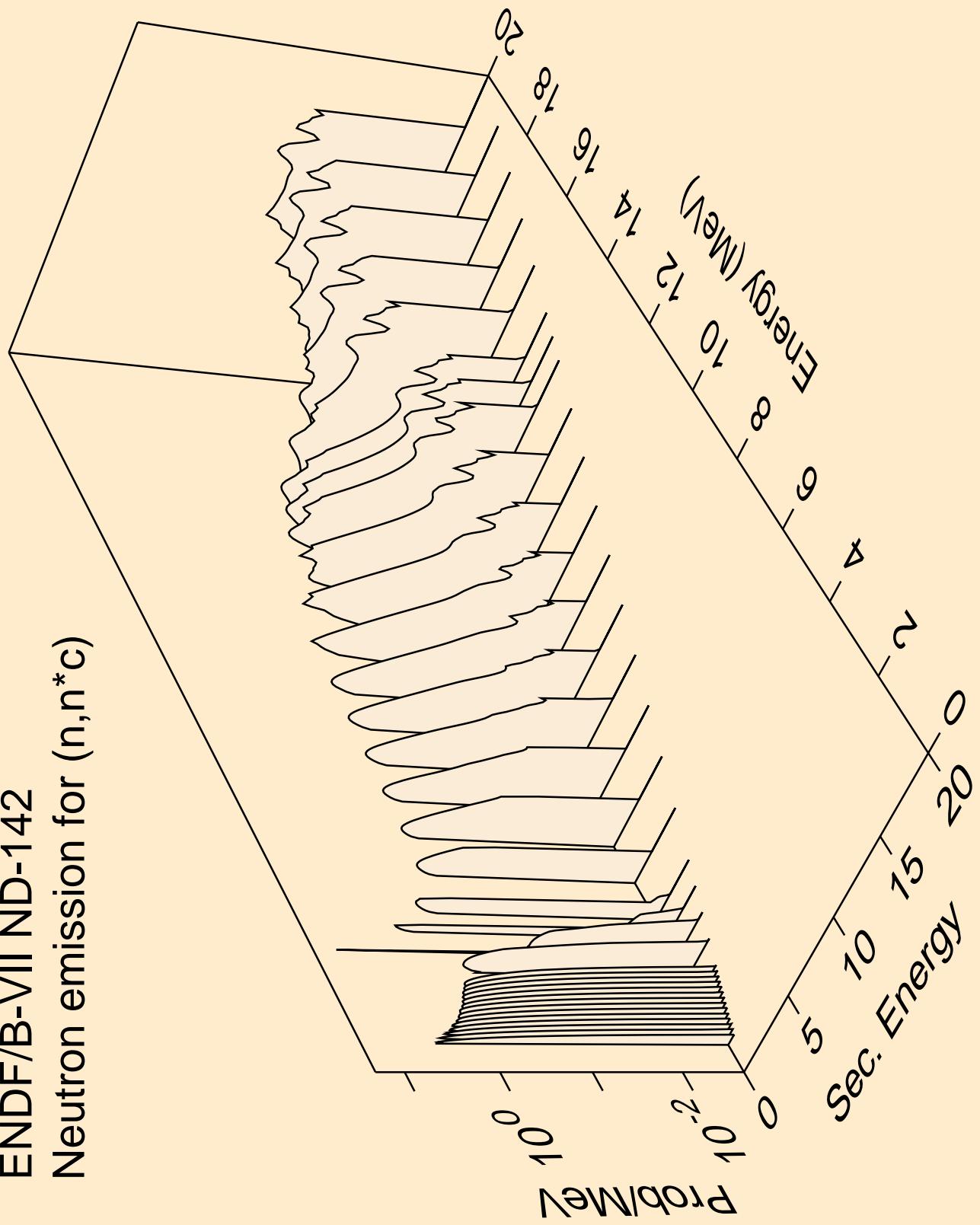
ENDF/B-VII ND-142

Neutron emission for  $(n,2np)$

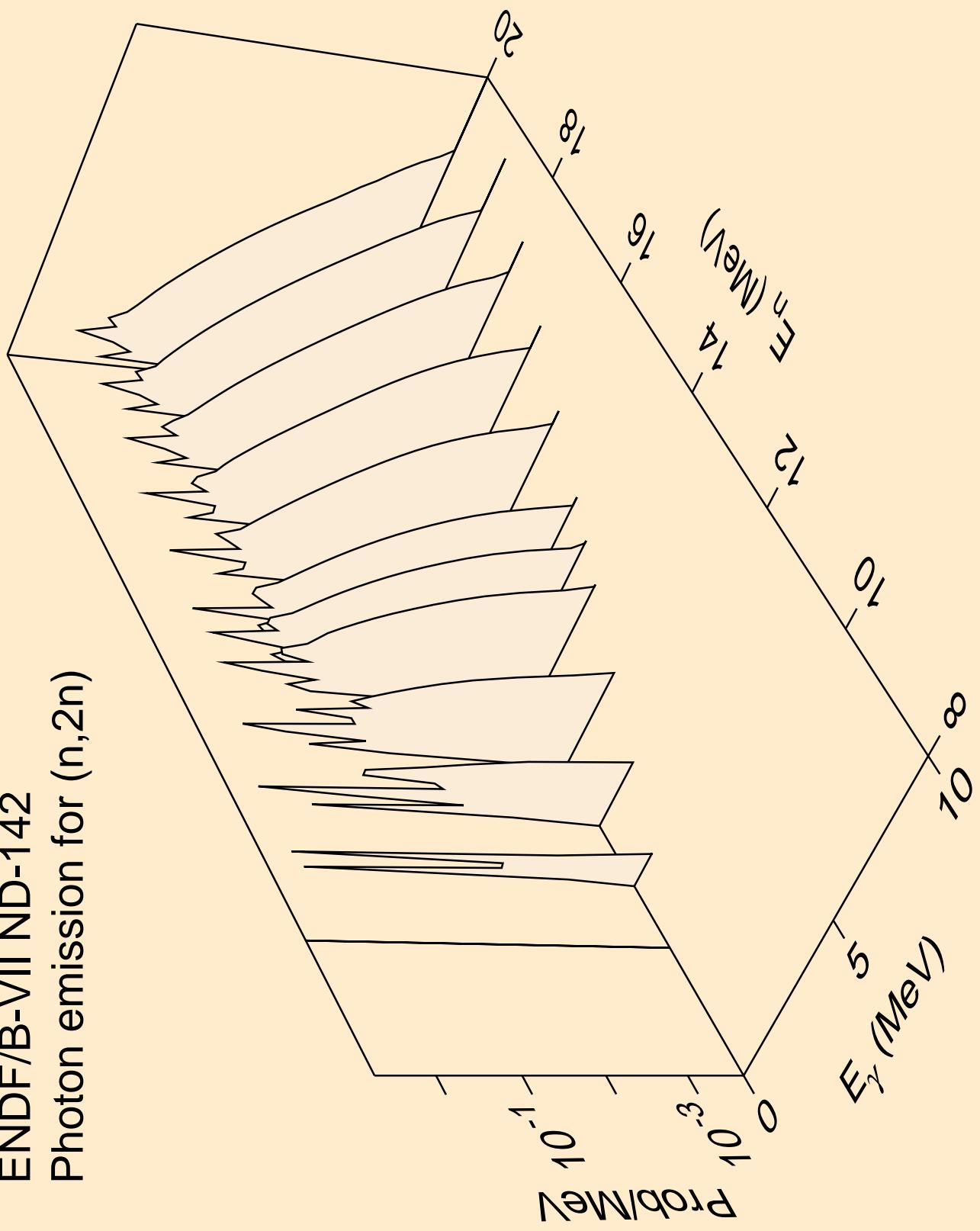


ENDF/B-VII ND-142

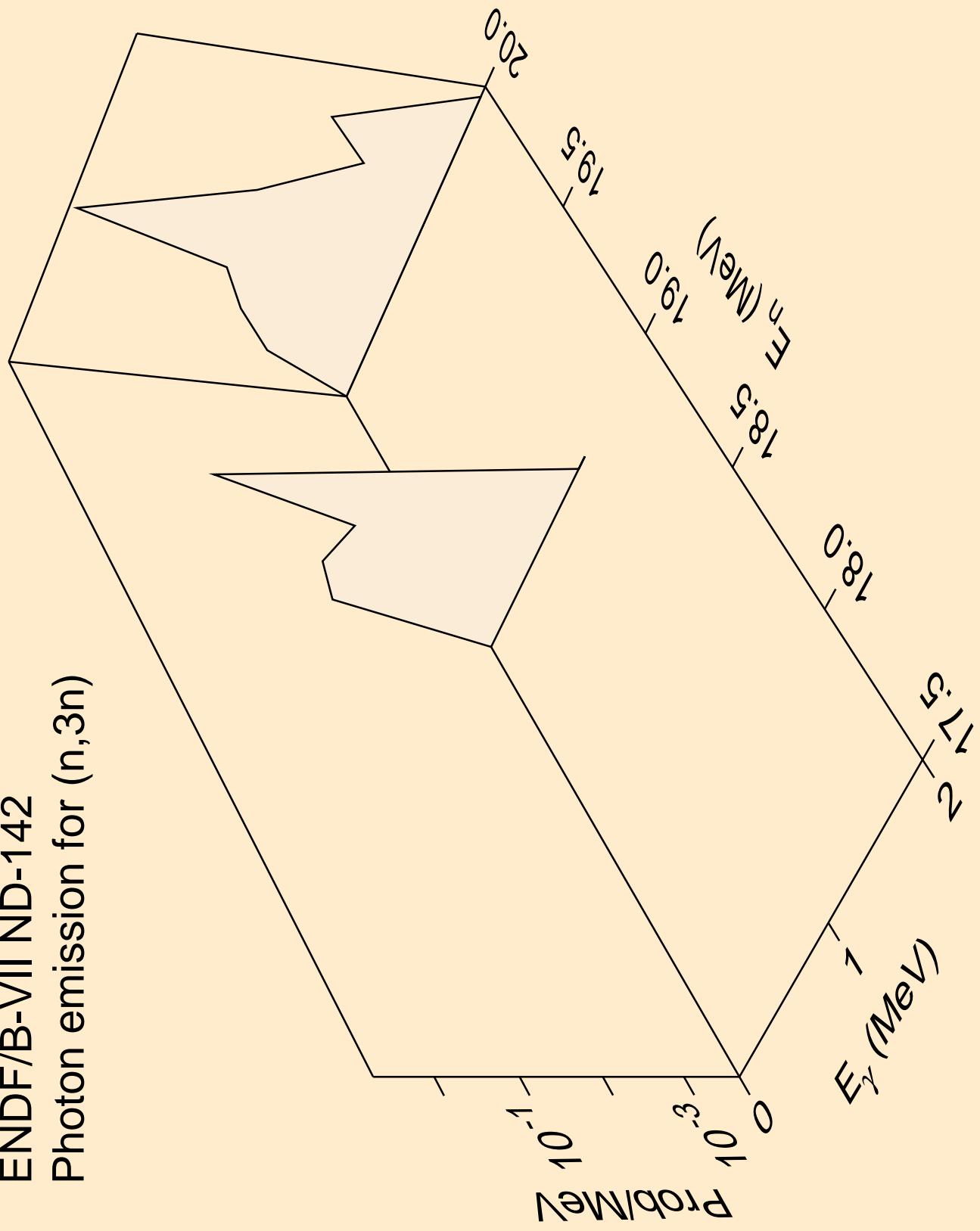
Neutron emission for  $(n, n^* c)$



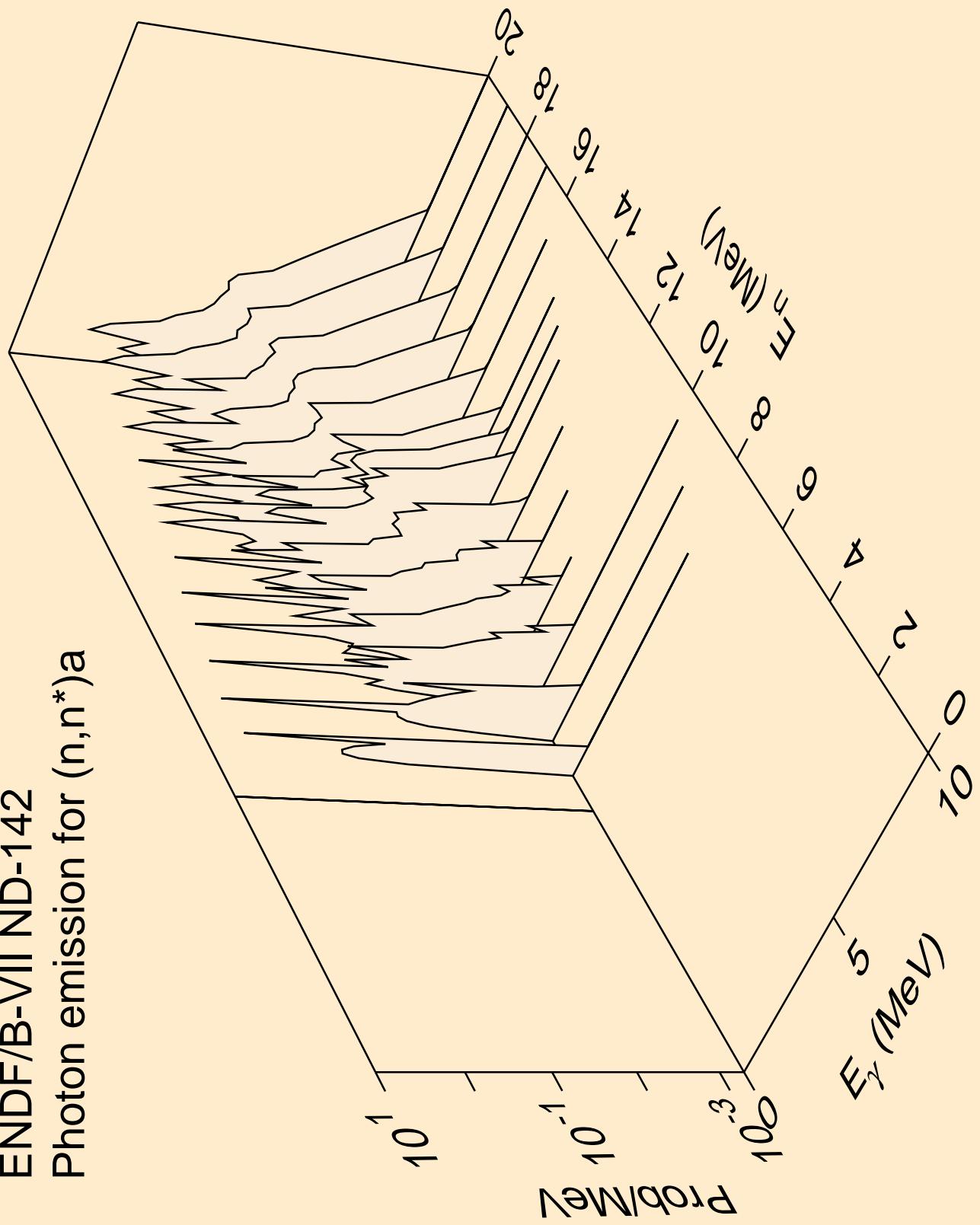
ENDF/B-VII ND-142  
Photon emission for  $(n,2n)$



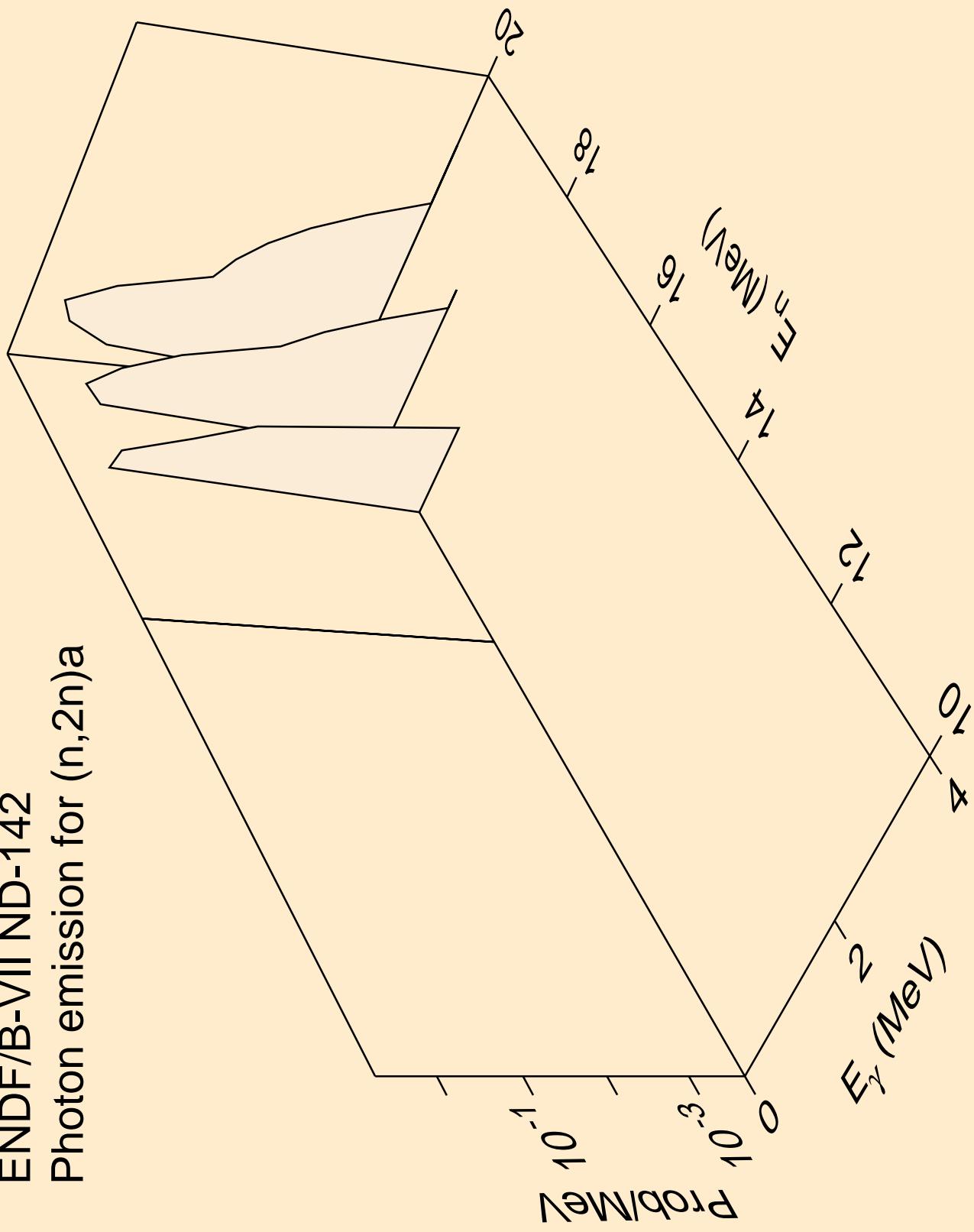
ENDF/B-VII ND-142  
Photon emission for ( $n,3n$ )



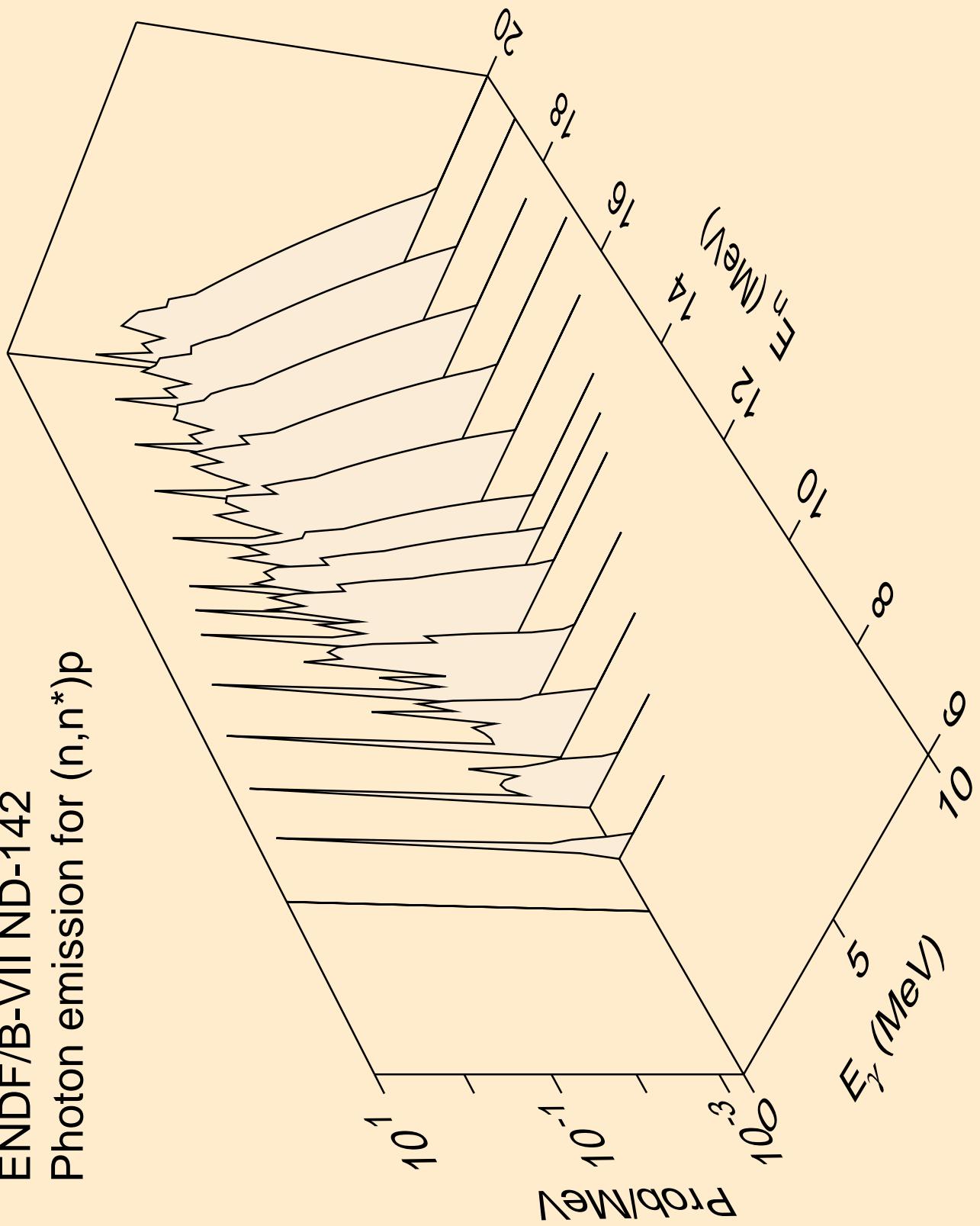
ENDF/B-VII ND-142  
Photon emission for  $(n, n^*)\alpha$



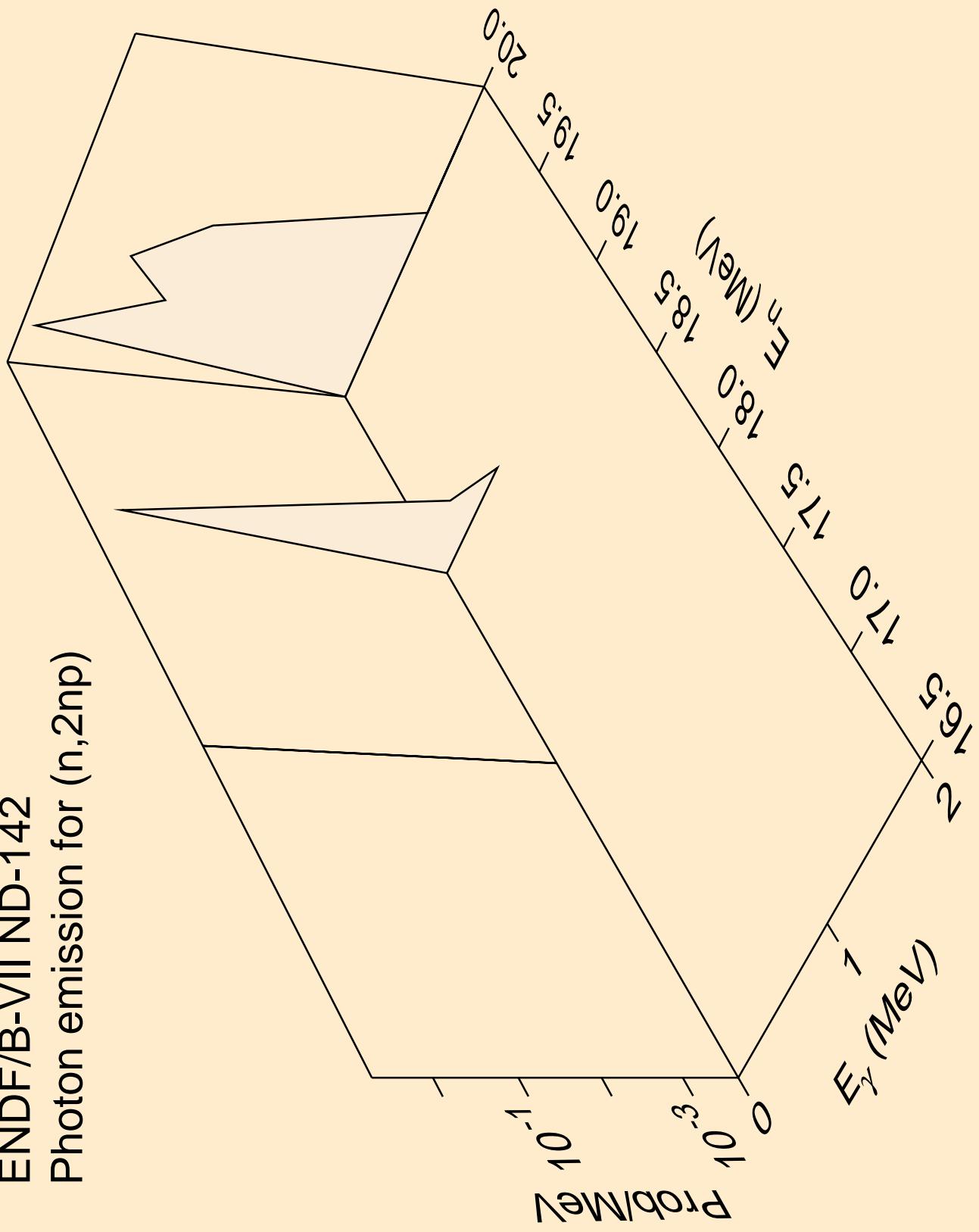
ENDF/B-VII ND-142  
Photon emission for  $(n,2n)a$



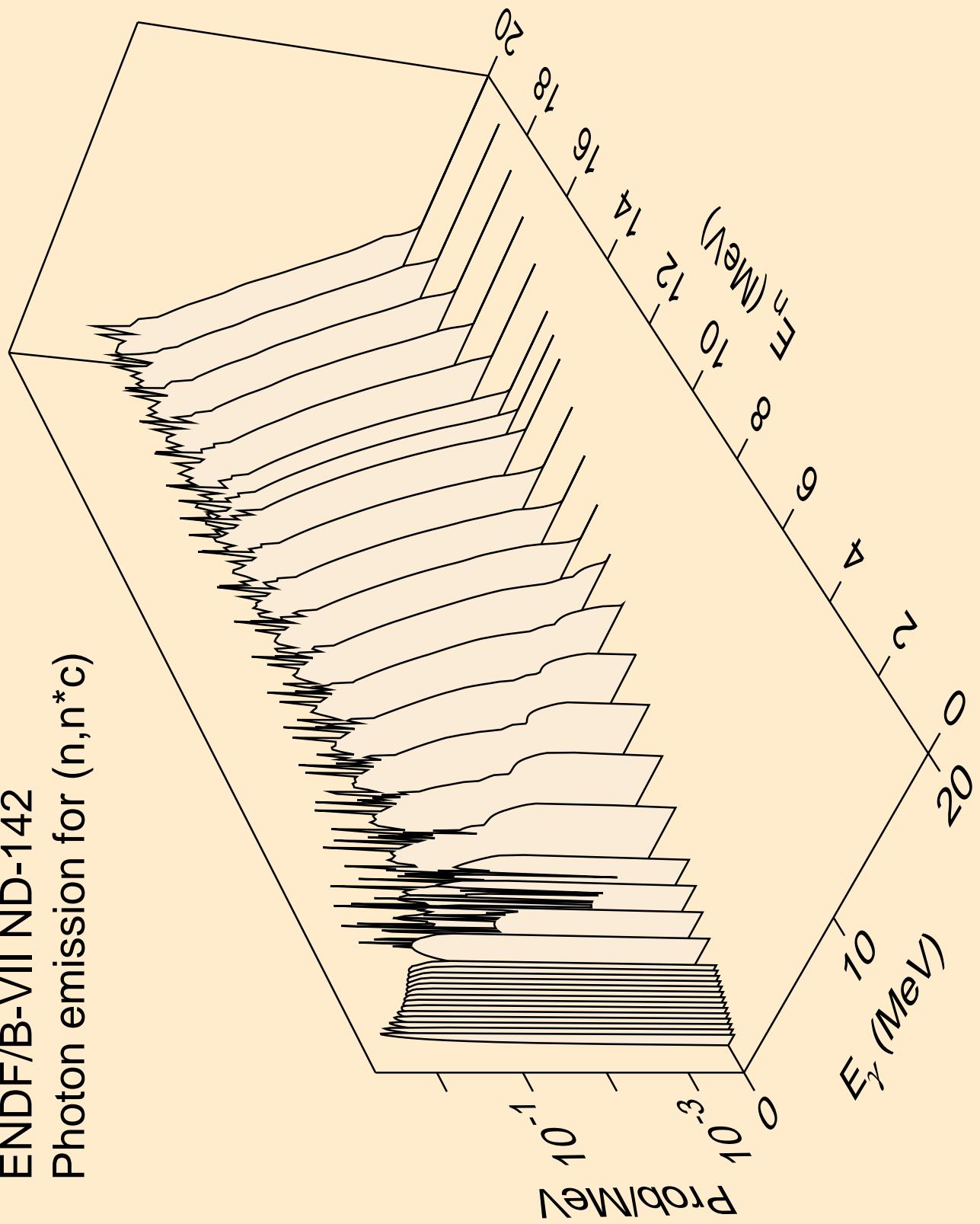
ENDF/B-VII ND-142  
Photon emission for  $(n, n^*)p$



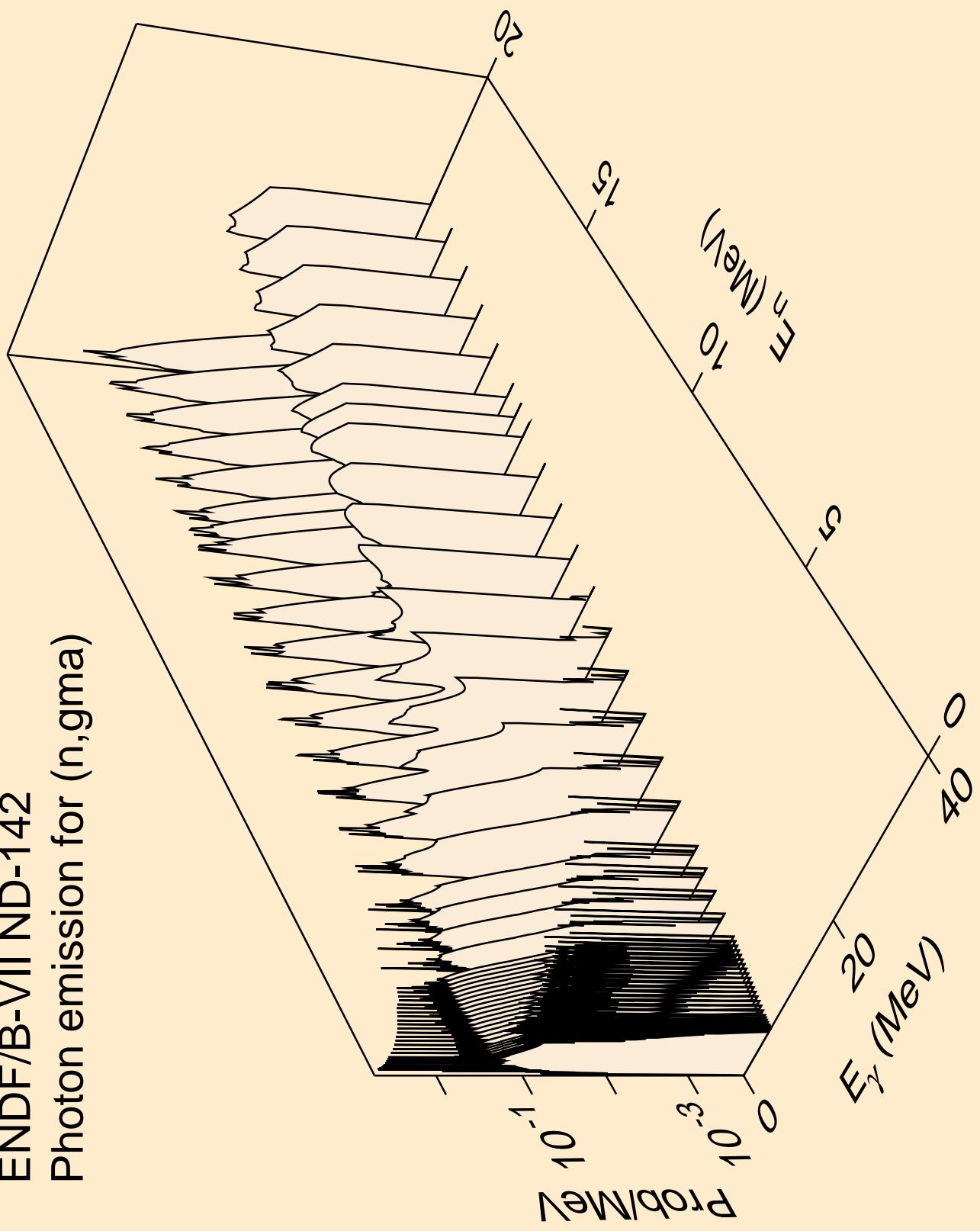
ENDF/B-VII ND-142  
Photon emission for ( $n, 2np$ )



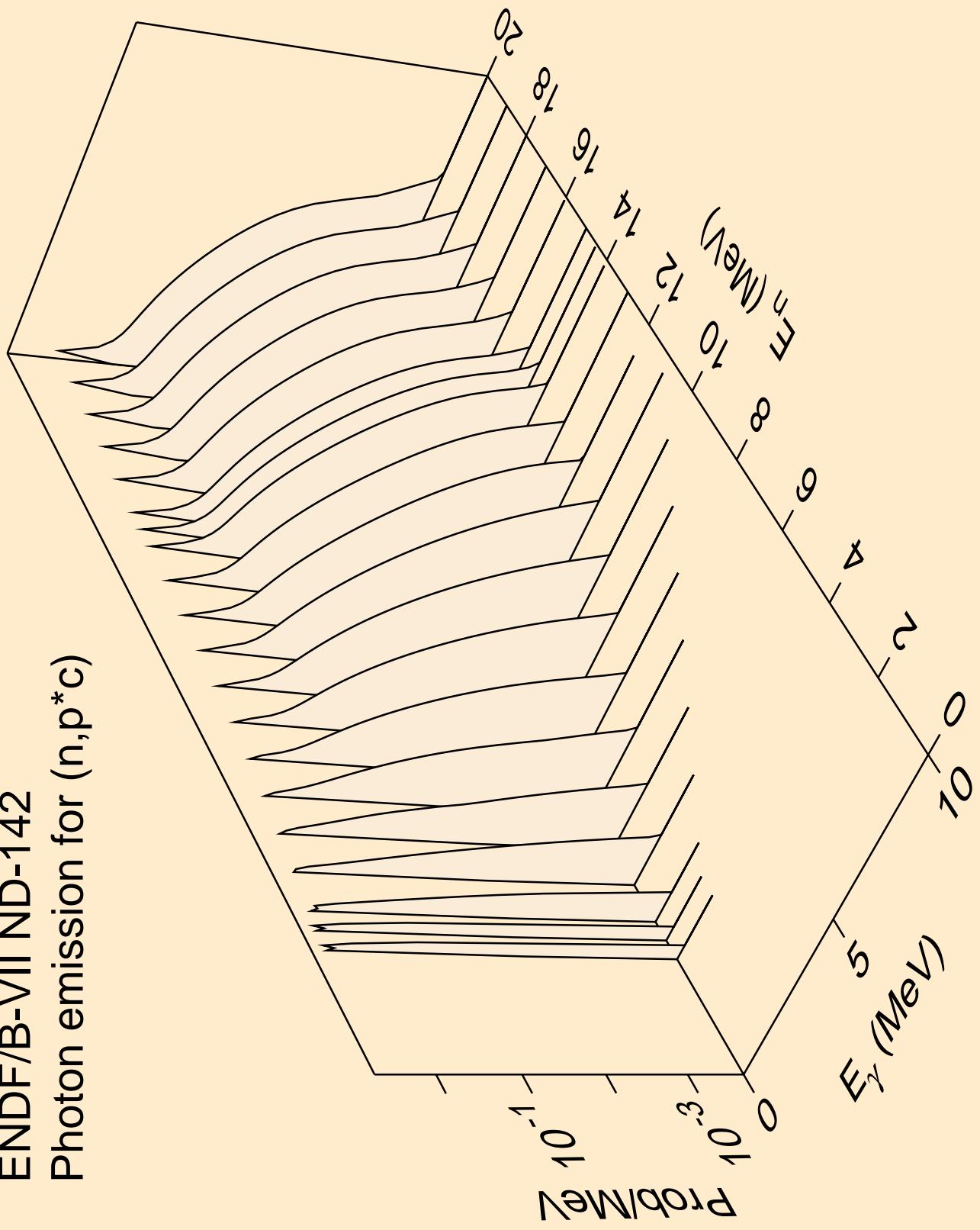
ENDF/B-VII ND-142  
Photon emission for  $(n, n^*c)$



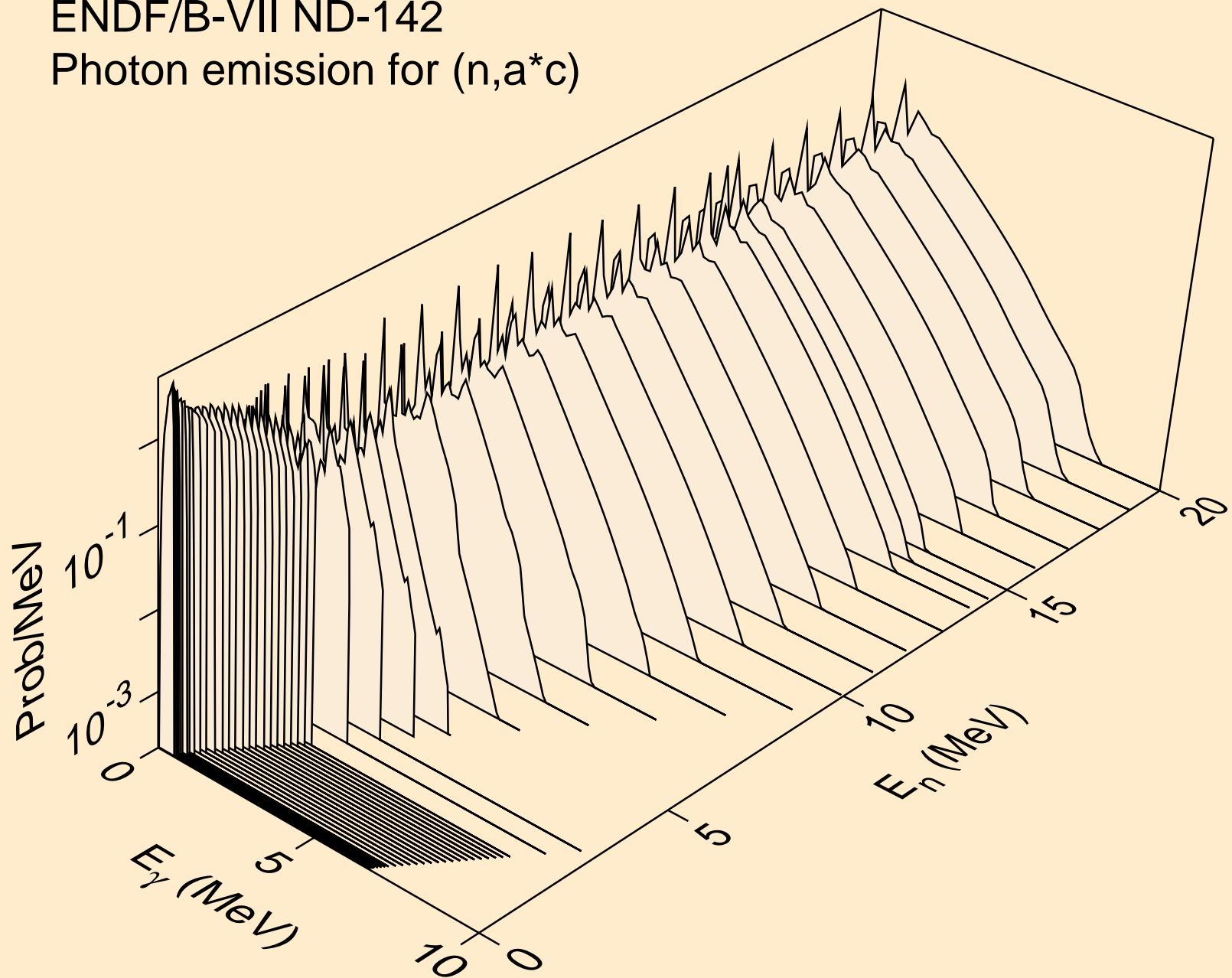
ENDF/B-VII ND-142  
Photon emission for (n,gma)



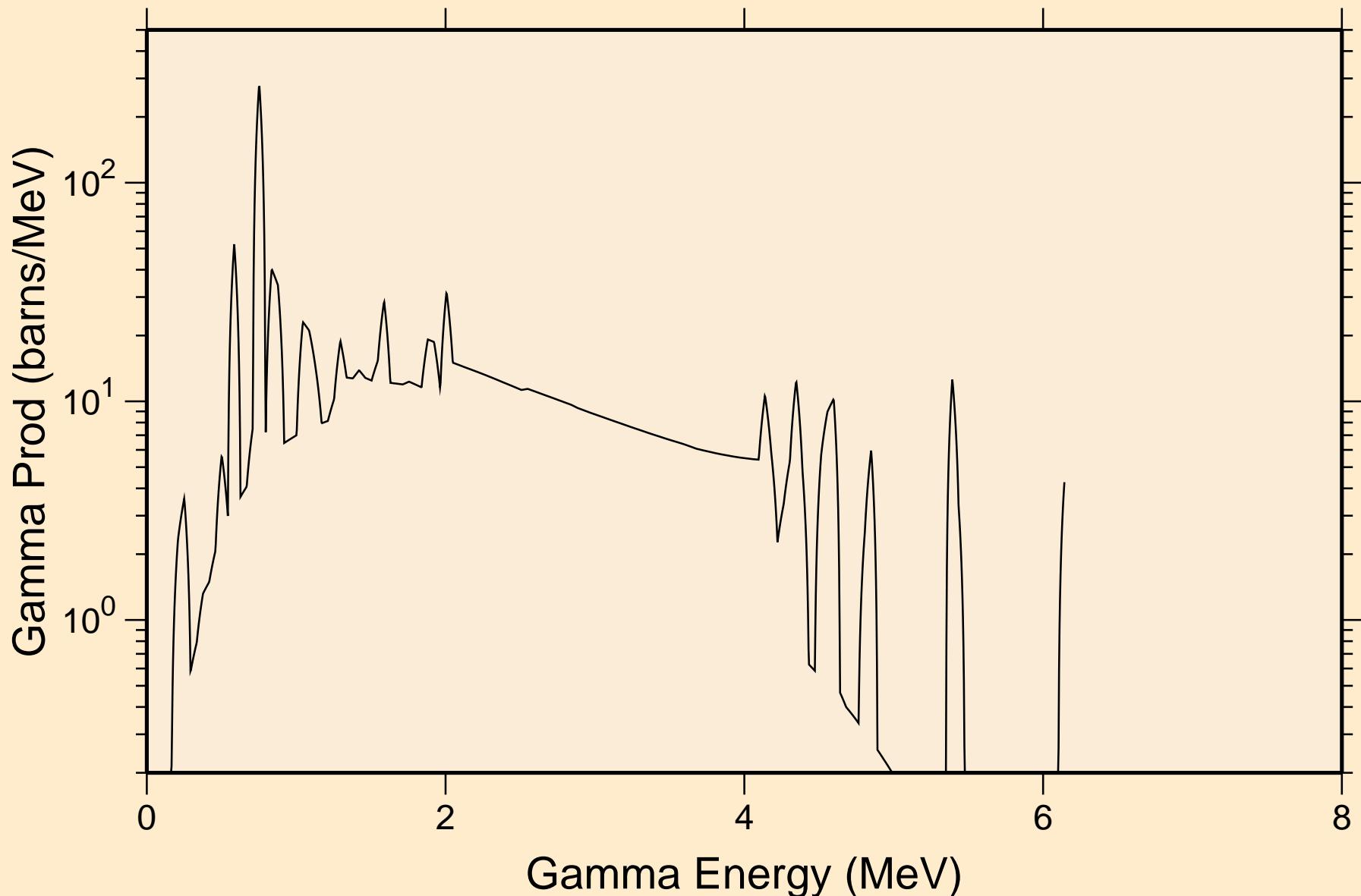
ENDF/B-VII ND-142  
Photon emission for  $(n, p^* c)$



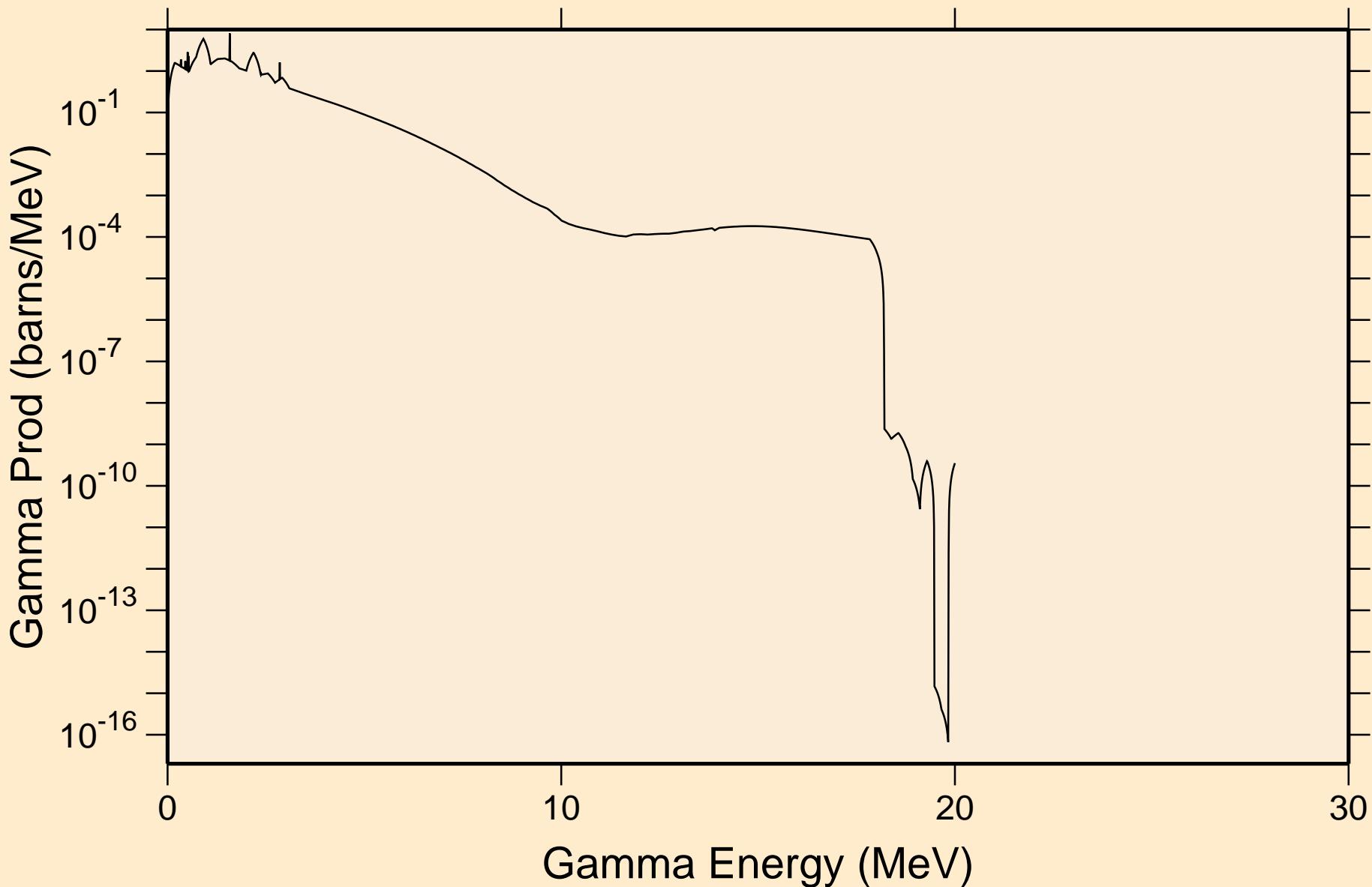
ENDF/B-VII ND-142  
Photon emission for  $(n, a^* c)$



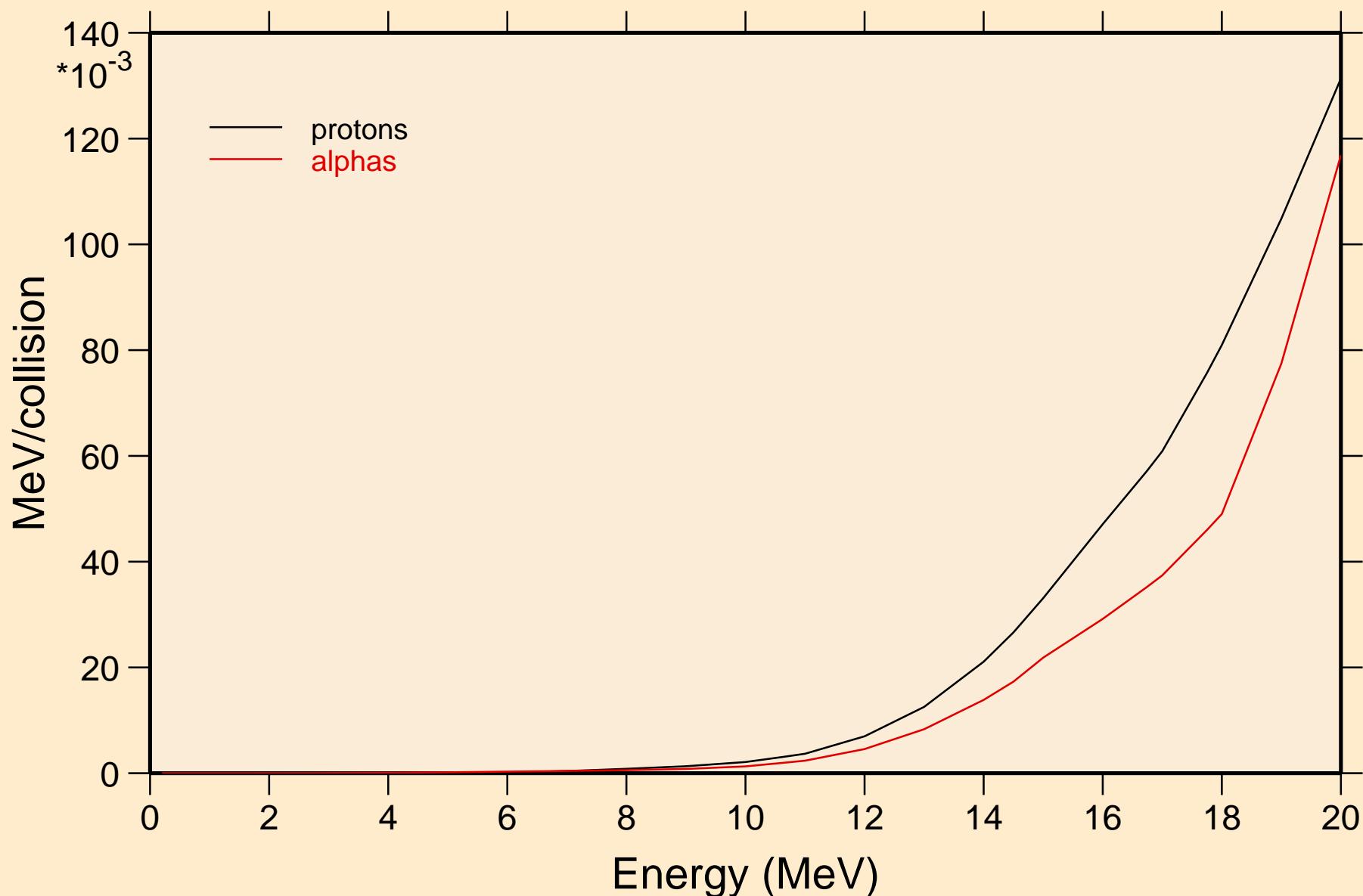
ENDF/B-VII ND-142  
thermal capture photon spectrum



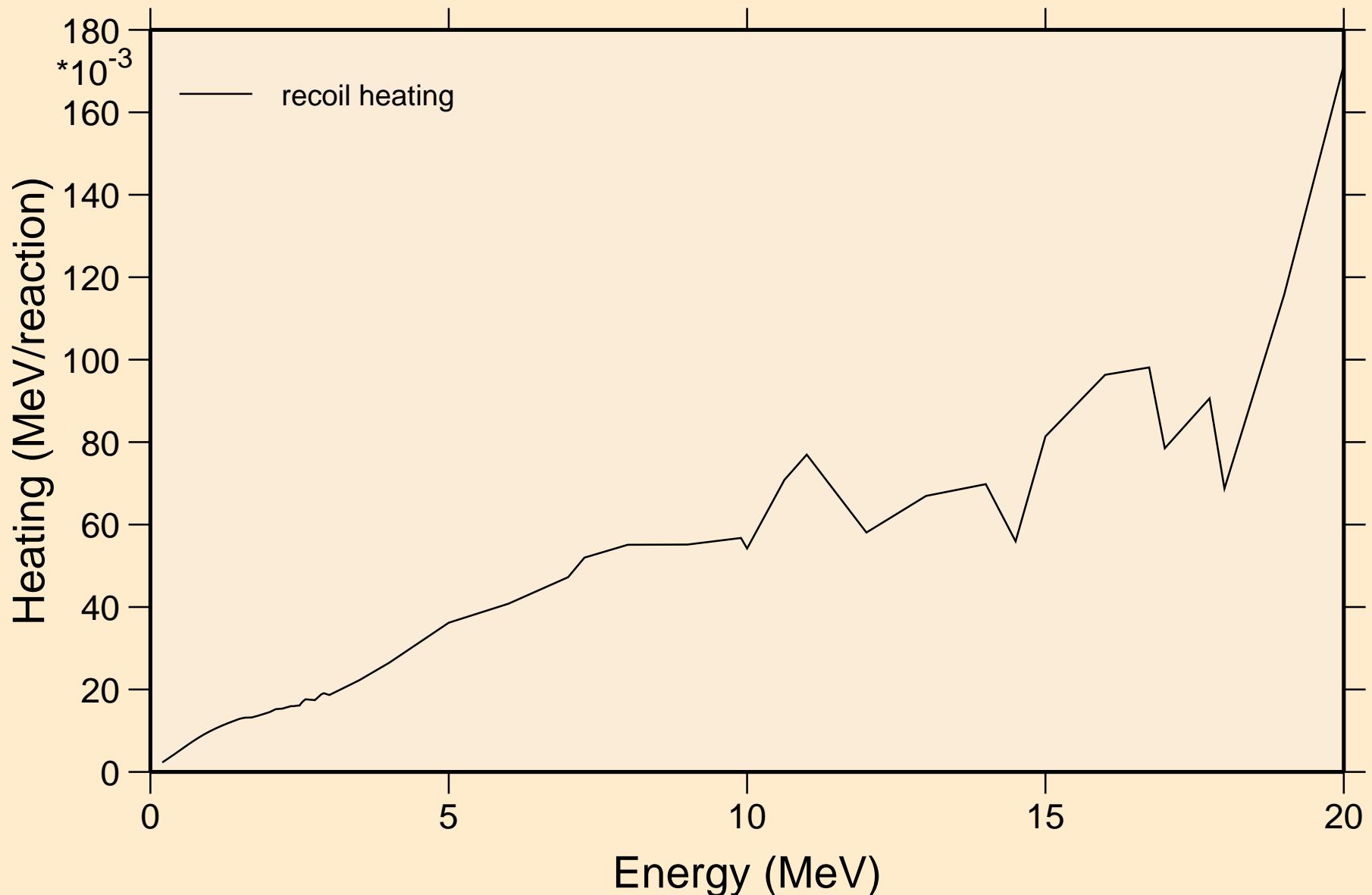
ENDF/B-VII ND-142  
14 MeV photon spectrum



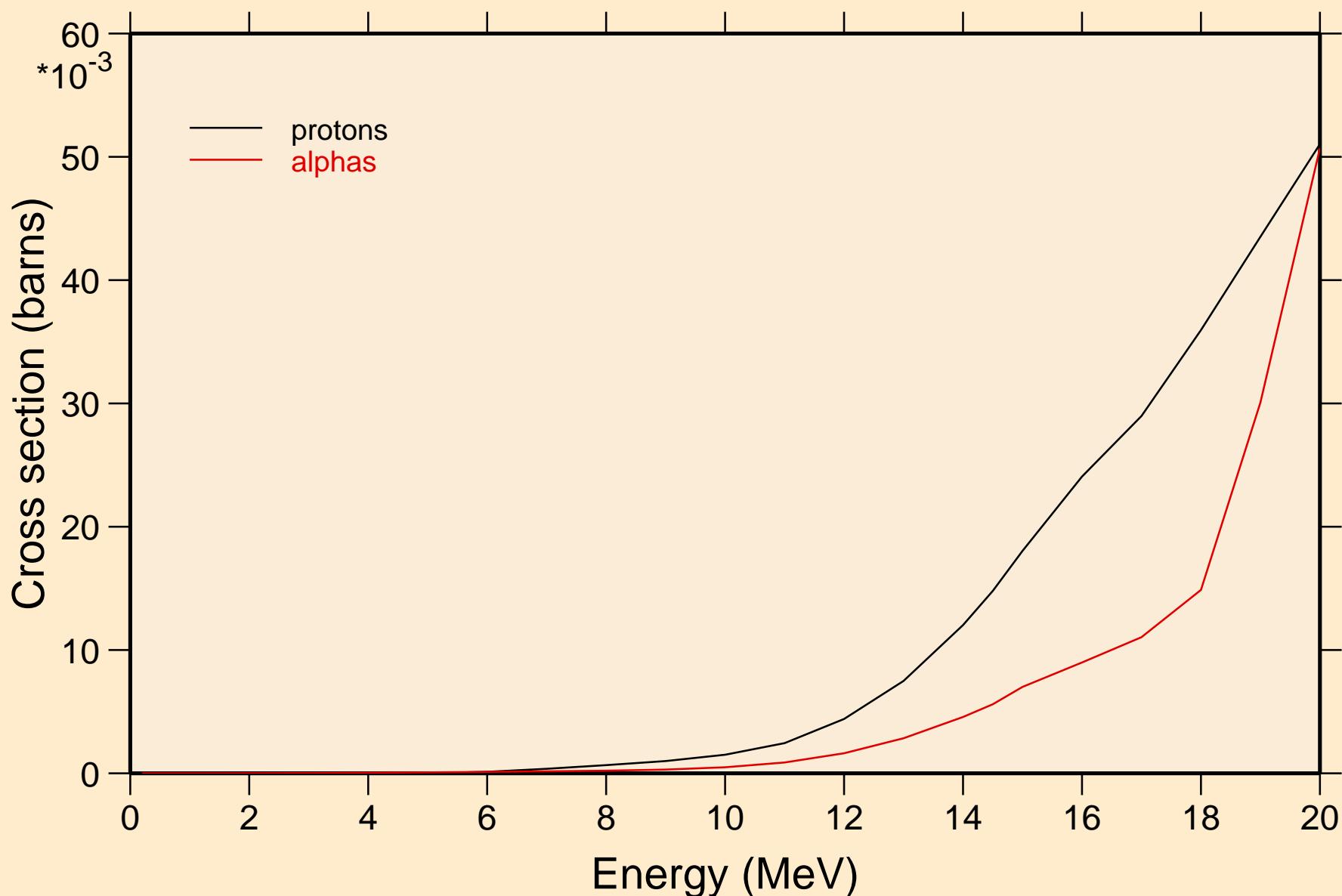
ENDF/B-VII ND-142  
Particle heating contributions



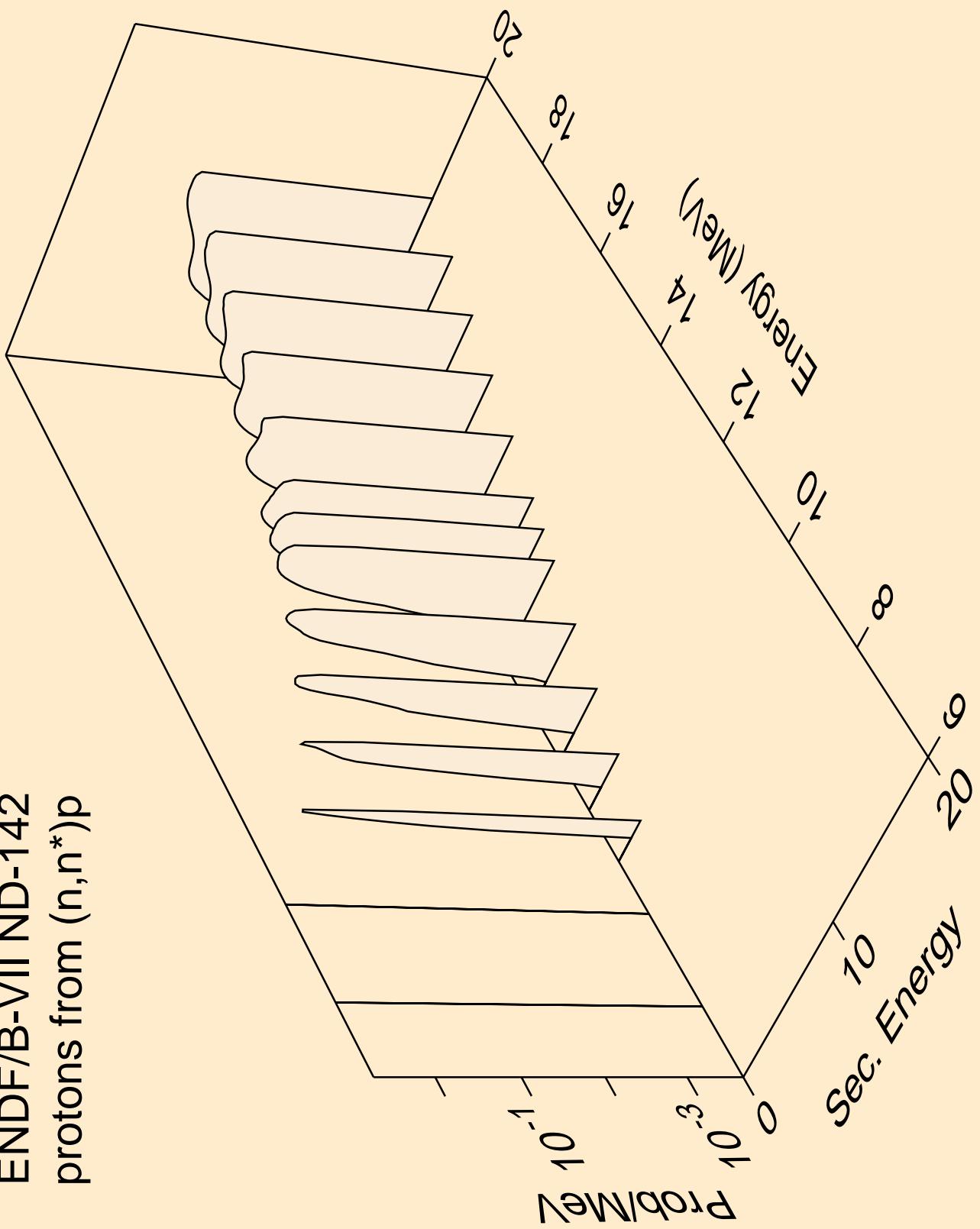
ENDF/B-VII ND-142  
Recoil Heating



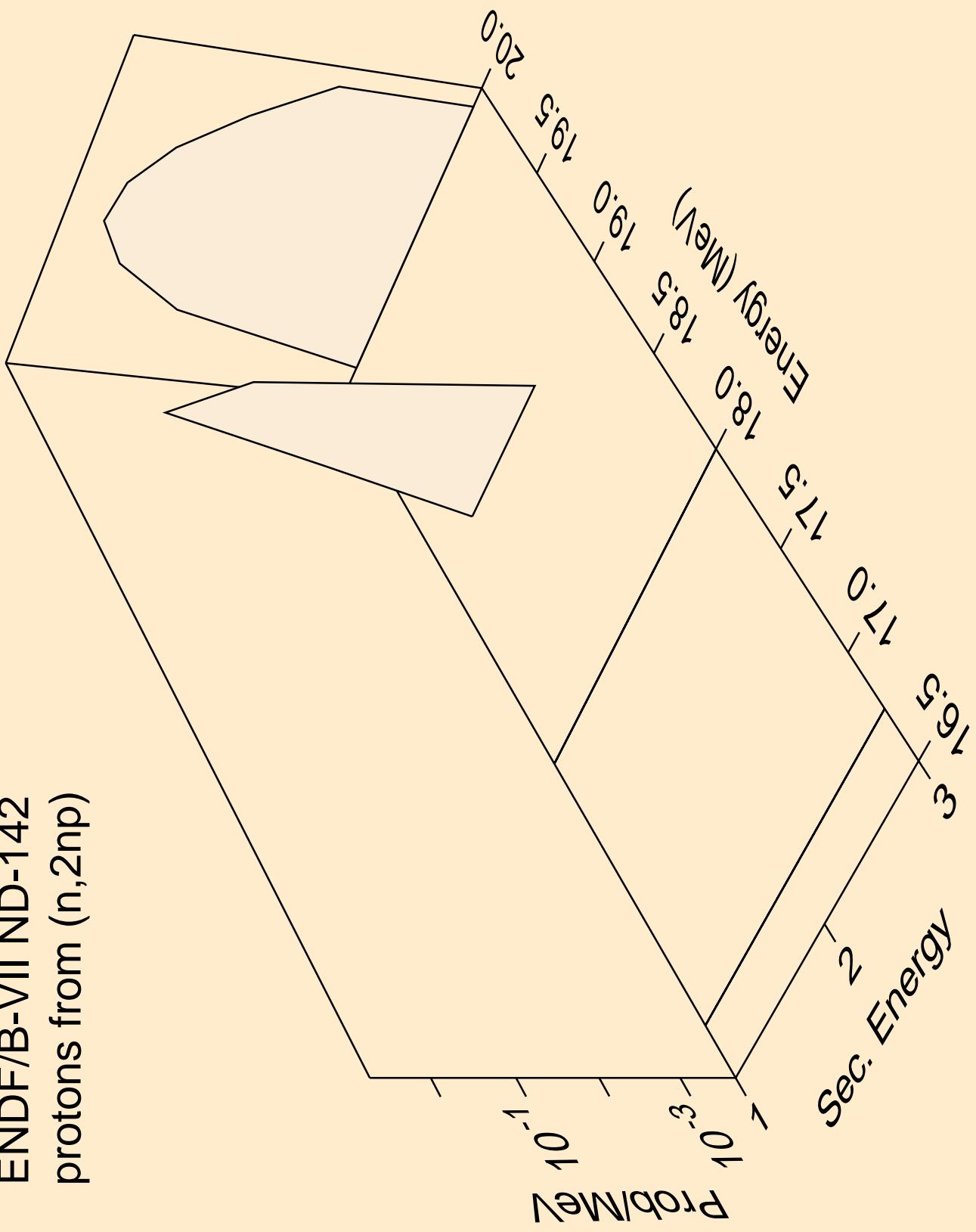
ENDF/B-VII ND-142  
Particle production cross sections



ENDF/B-VII ND-142  
protons from  $(n, n^*)p$

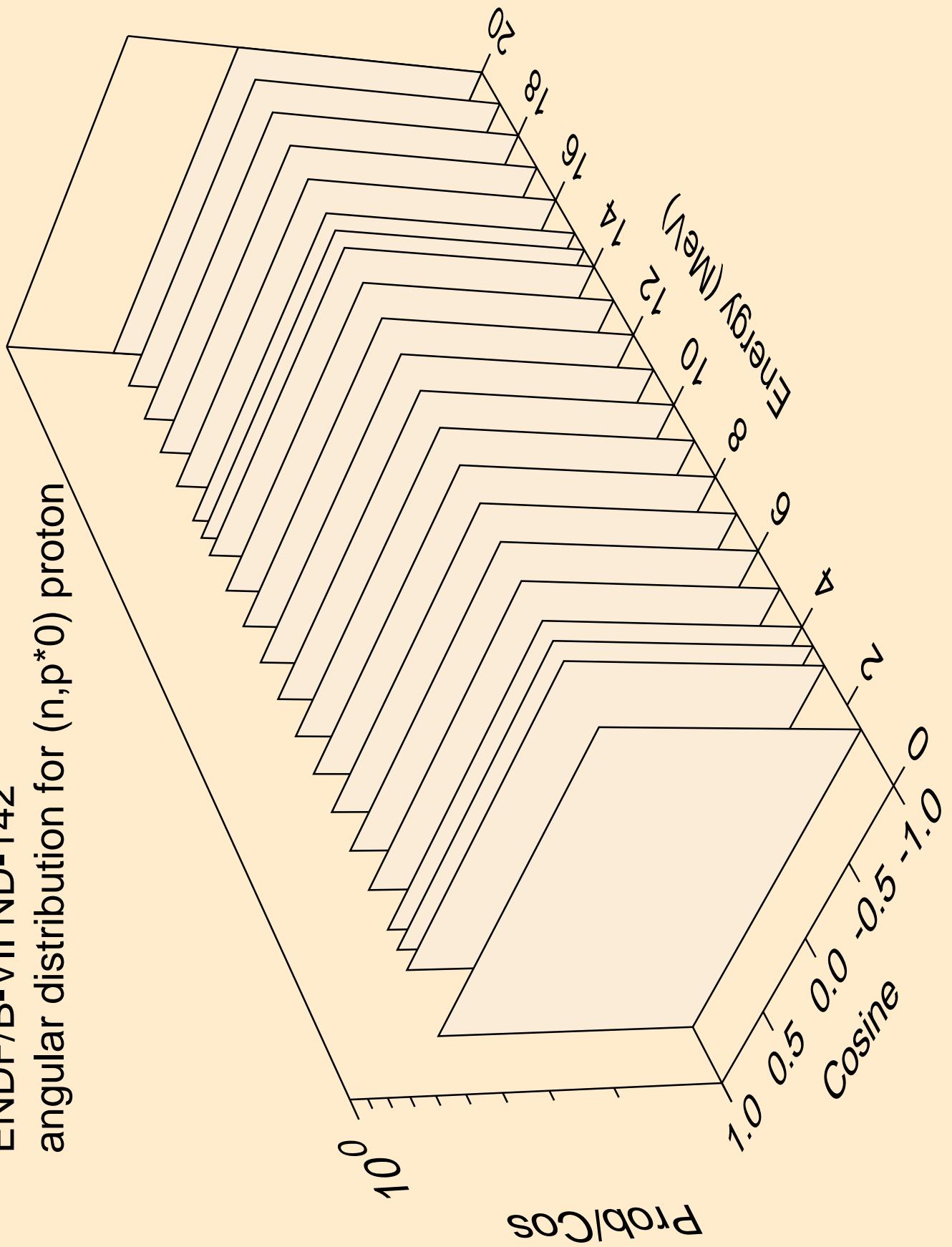


ENDF/B-VII ND-142  
protons from ( $n,2np$ )



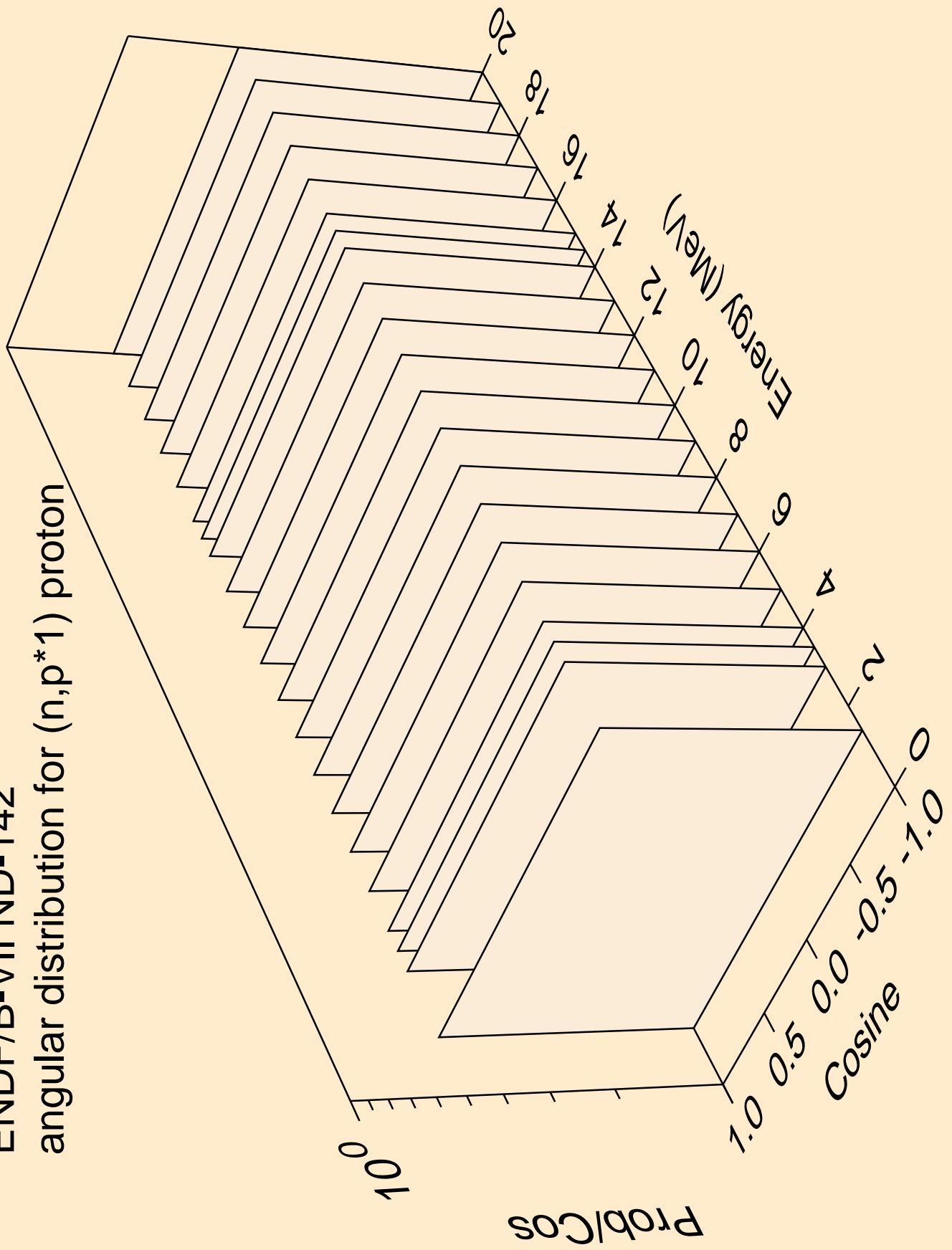
ENDF/B-VII ND-142

angular distribution for ( $n,p^*0$ ) proton



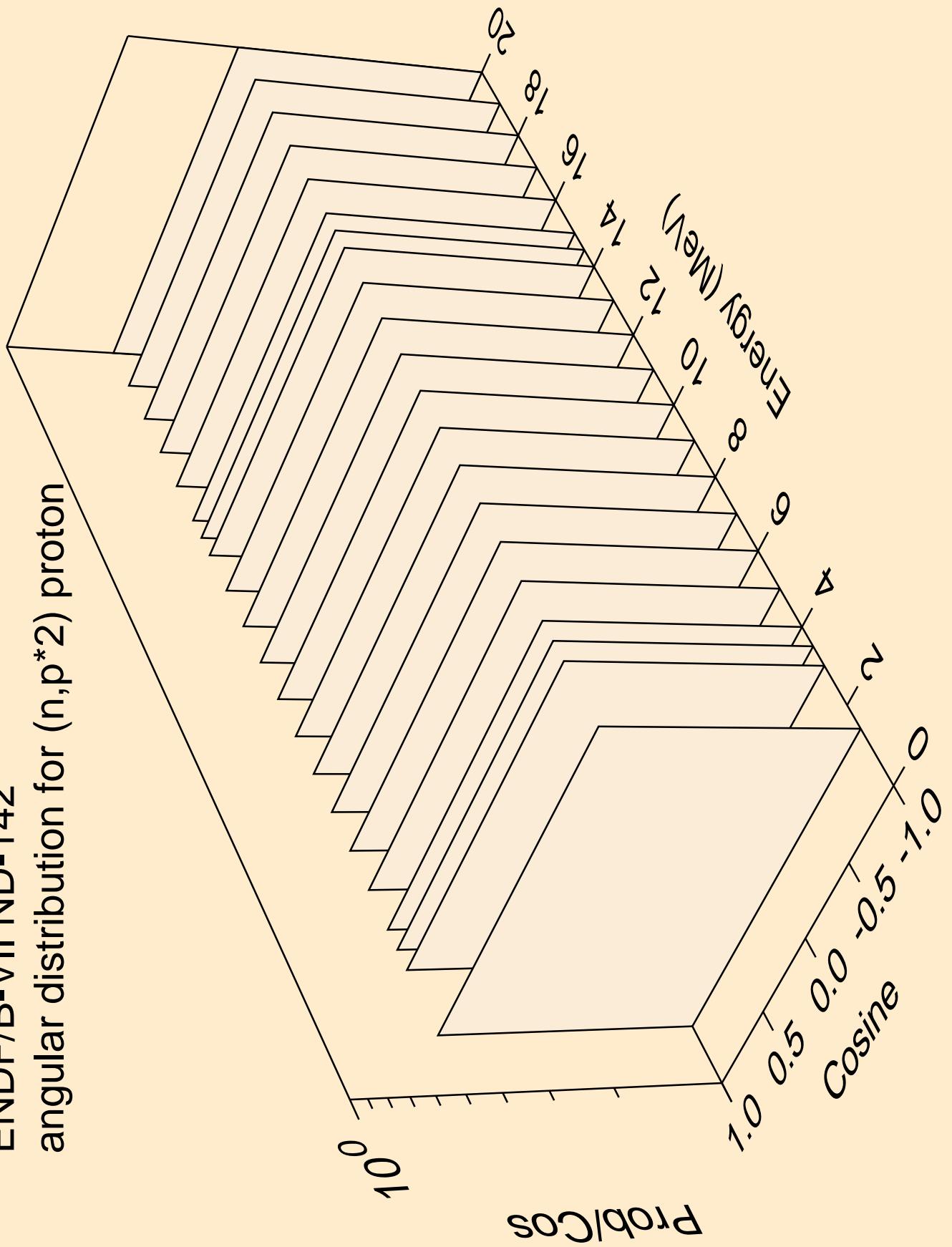
ENDF/B-VII ND-142

angular distribution for ( $n,p^*1$ ) proton



ENDF/B-VII ND-142

angular distribution for ( $n,p^*2$ ) proton



ENDF/B-VII ND-142

angular distribution for ( $n,p^*3$ ) proton

$10^0$

Prob/Cos

1.0 0.5 0.0 -0.5 -1.0  
Cosine

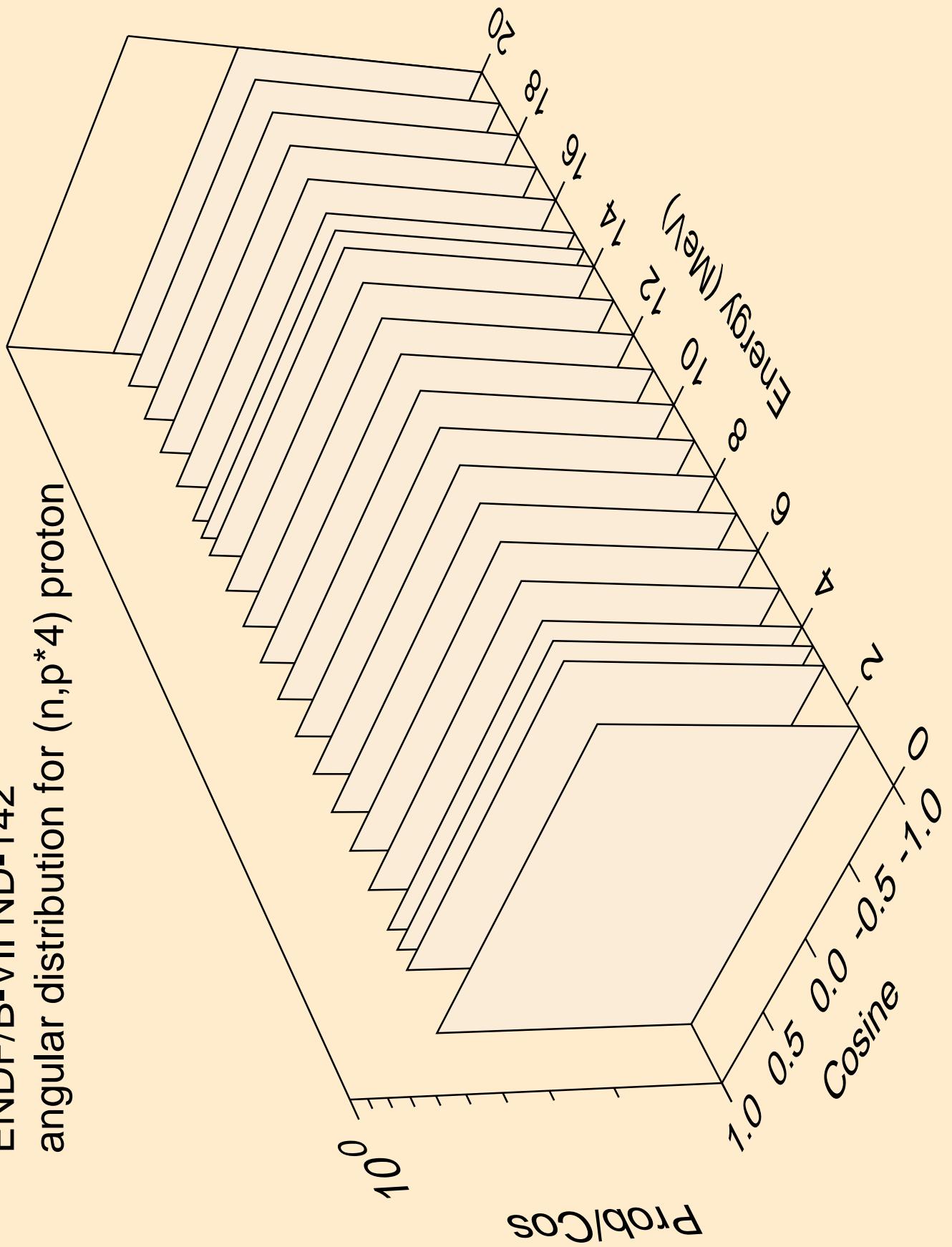
Energy (MeV)

20 18 16 14 12 10 8 6 4 2 0

20 18 16 14 12 10 8 6 4 2 0

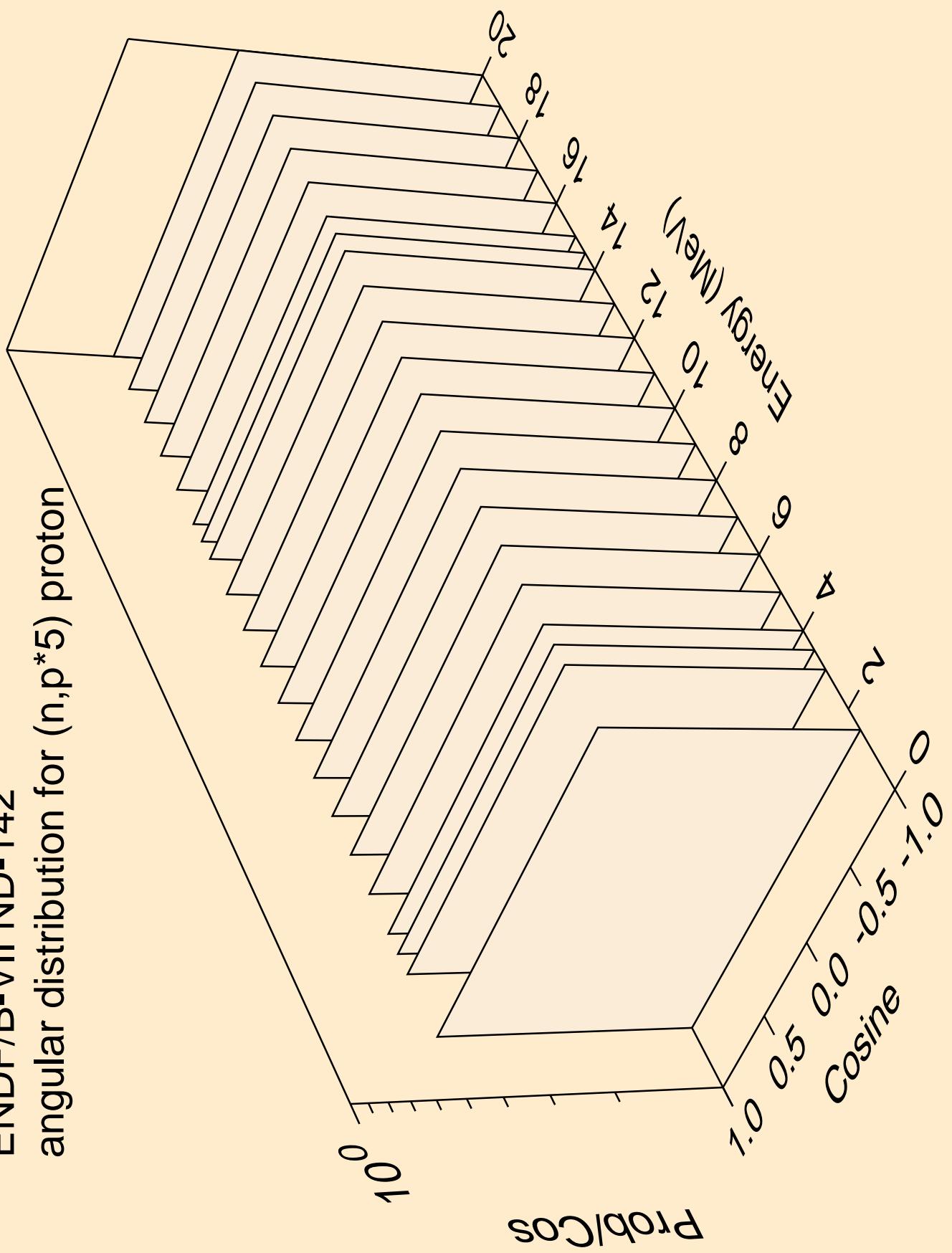
ENDF/B-VII ND-142

angular distribution for ( $n,p^*4$ ) proton



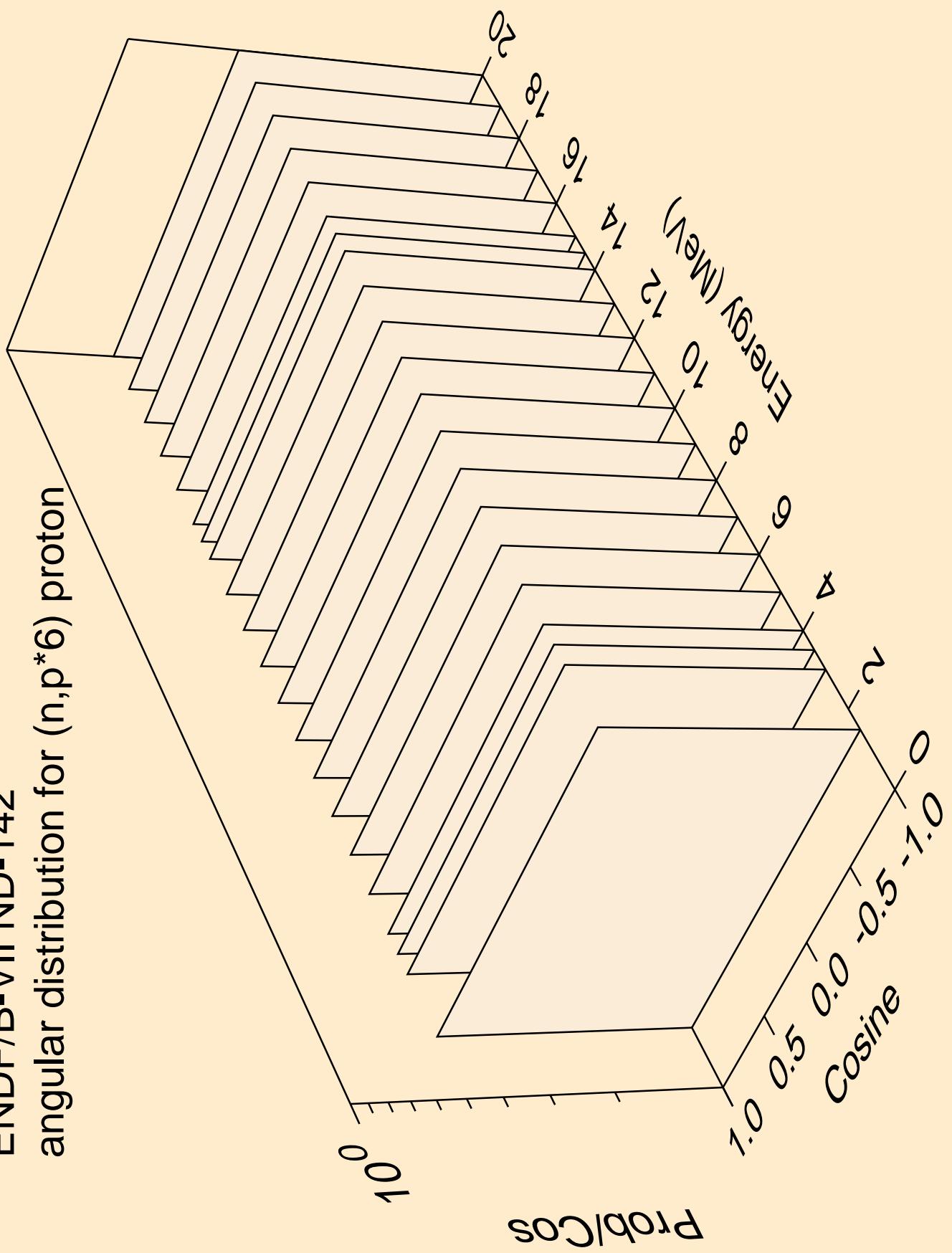
ENDF/B-VII ND-142

angular distribution for ( $n,p^*5$ ) proton



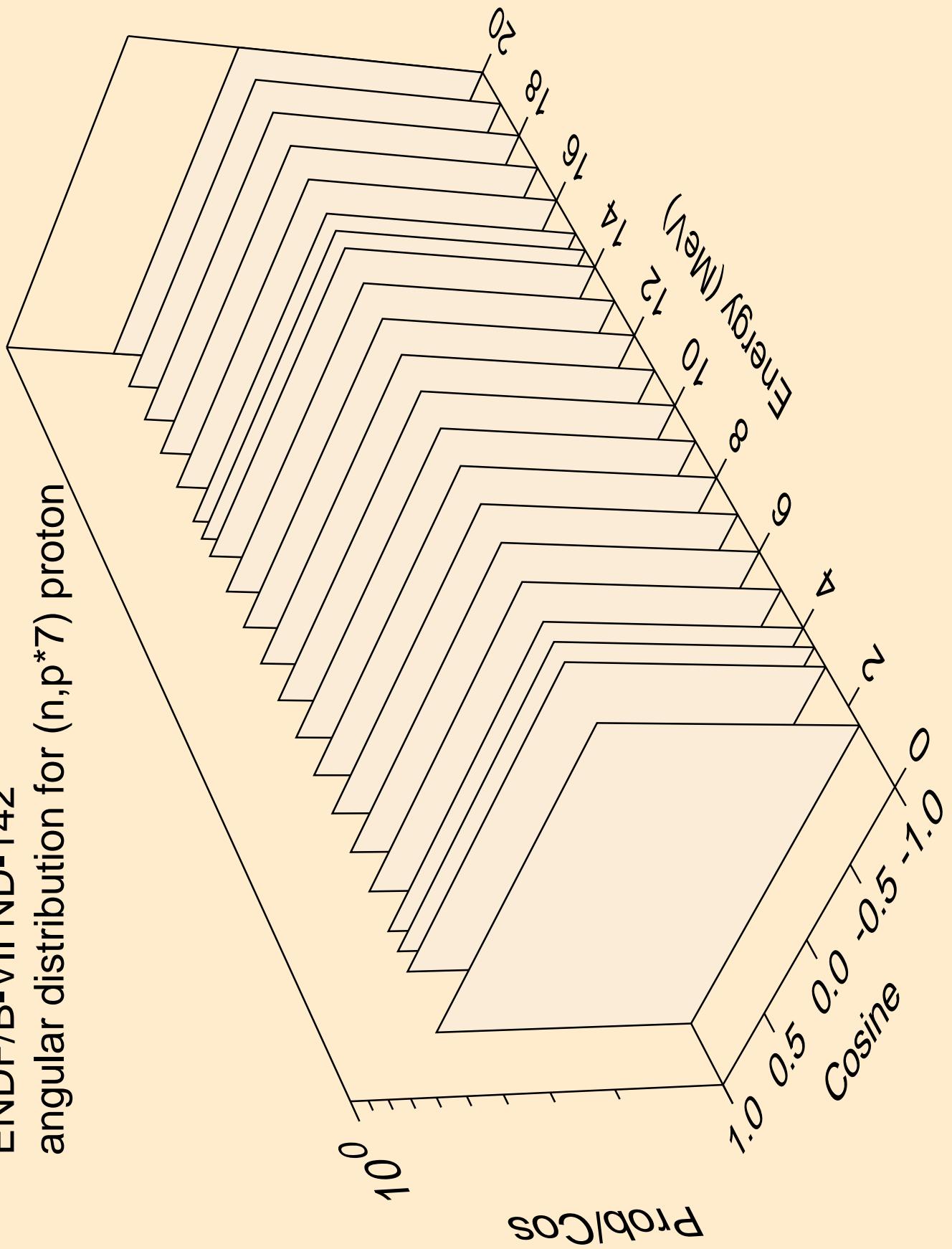
ENDF/B-VII ND-142

angular distribution for ( $n,p^*6$ ) proton



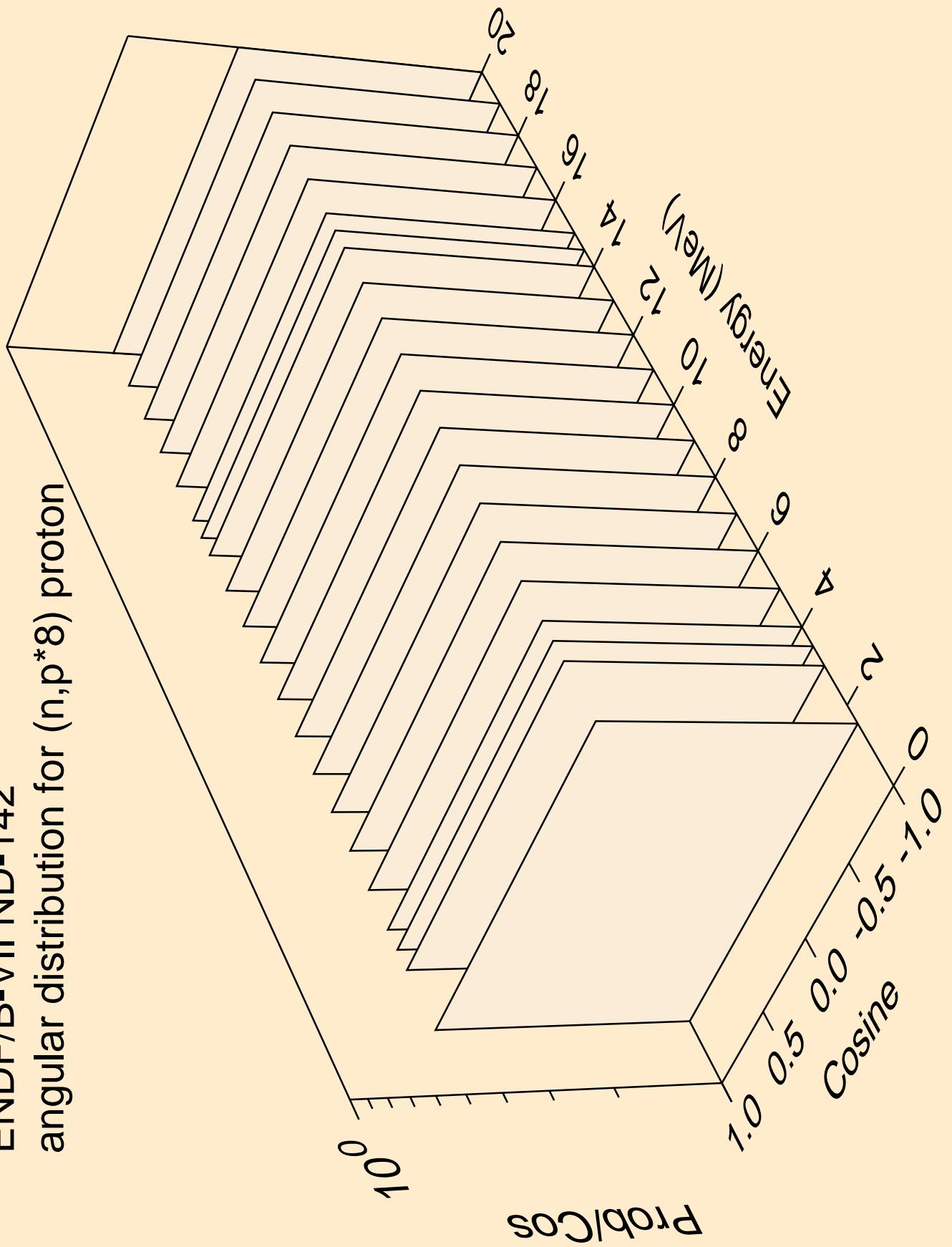
ENDF/B-VII ND-142

angular distribution for ( $n,p^*7$ ) proton



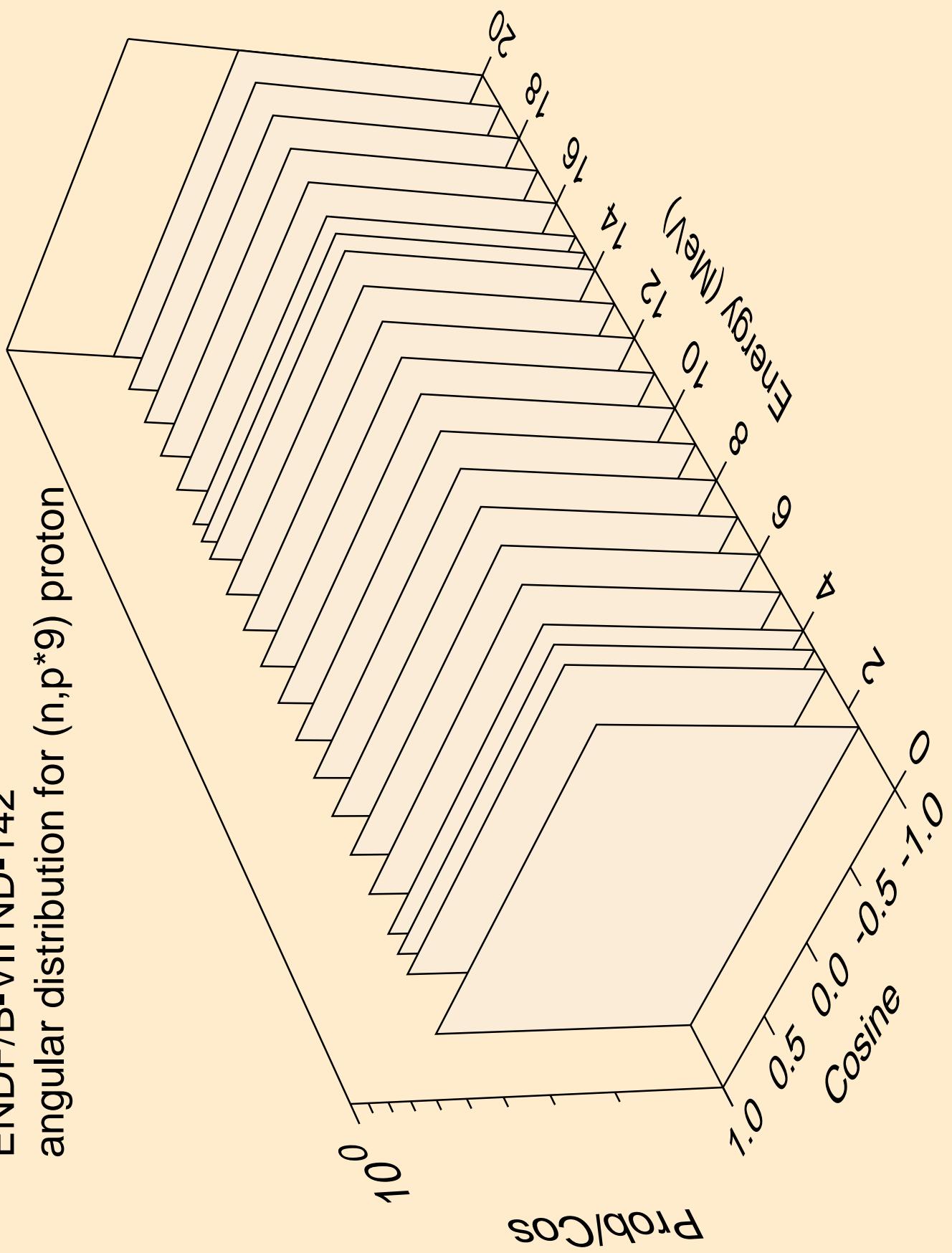
ENDF/B-VII ND-142

angular distribution for ( $n,p^*8$ ) proton



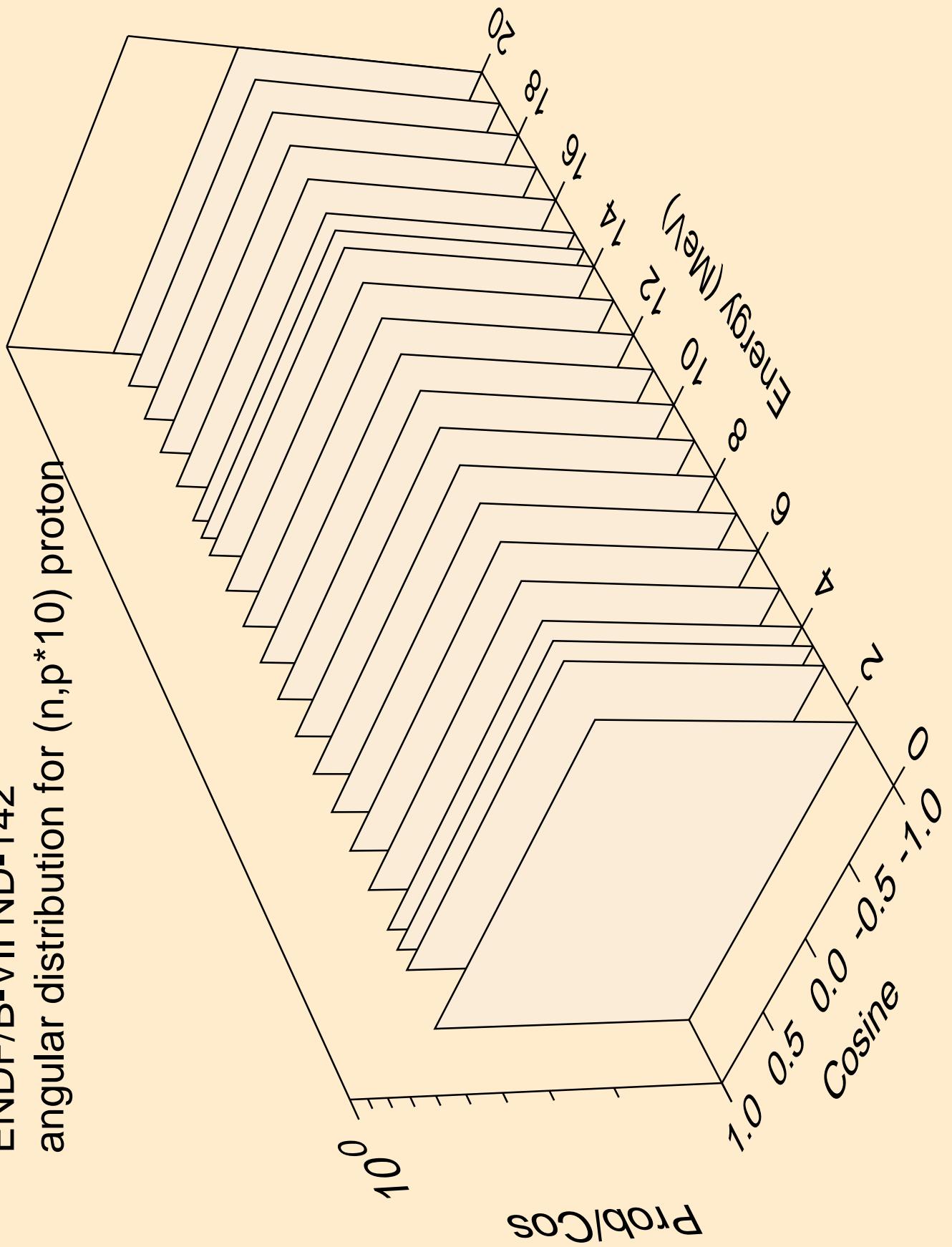
ENDF/B-VII ND-142

angular distribution for ( $n,p^*9$ ) proton



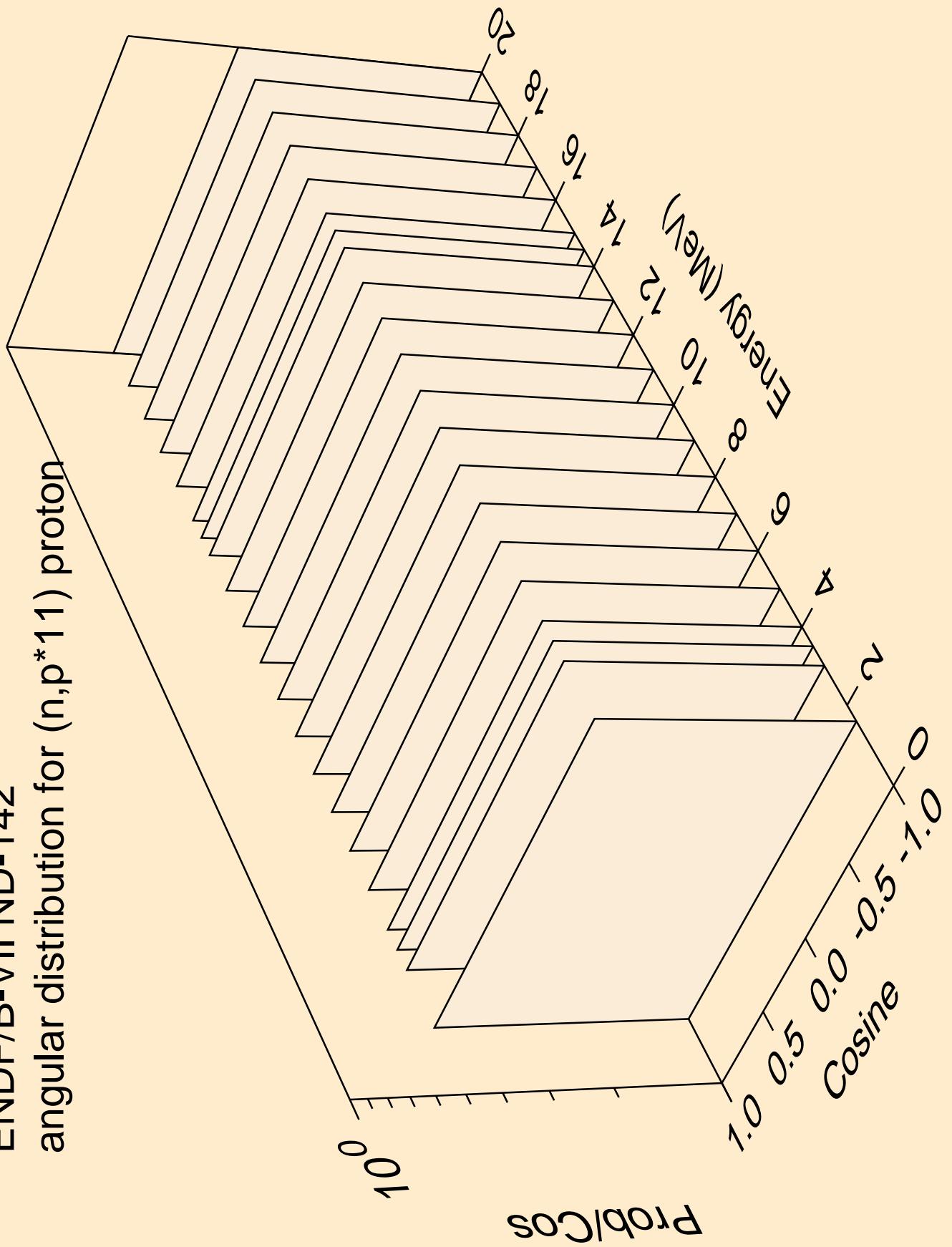
ENDF/B-VII ND-142

angular distribution for ( $n,p^*10$ ) proton

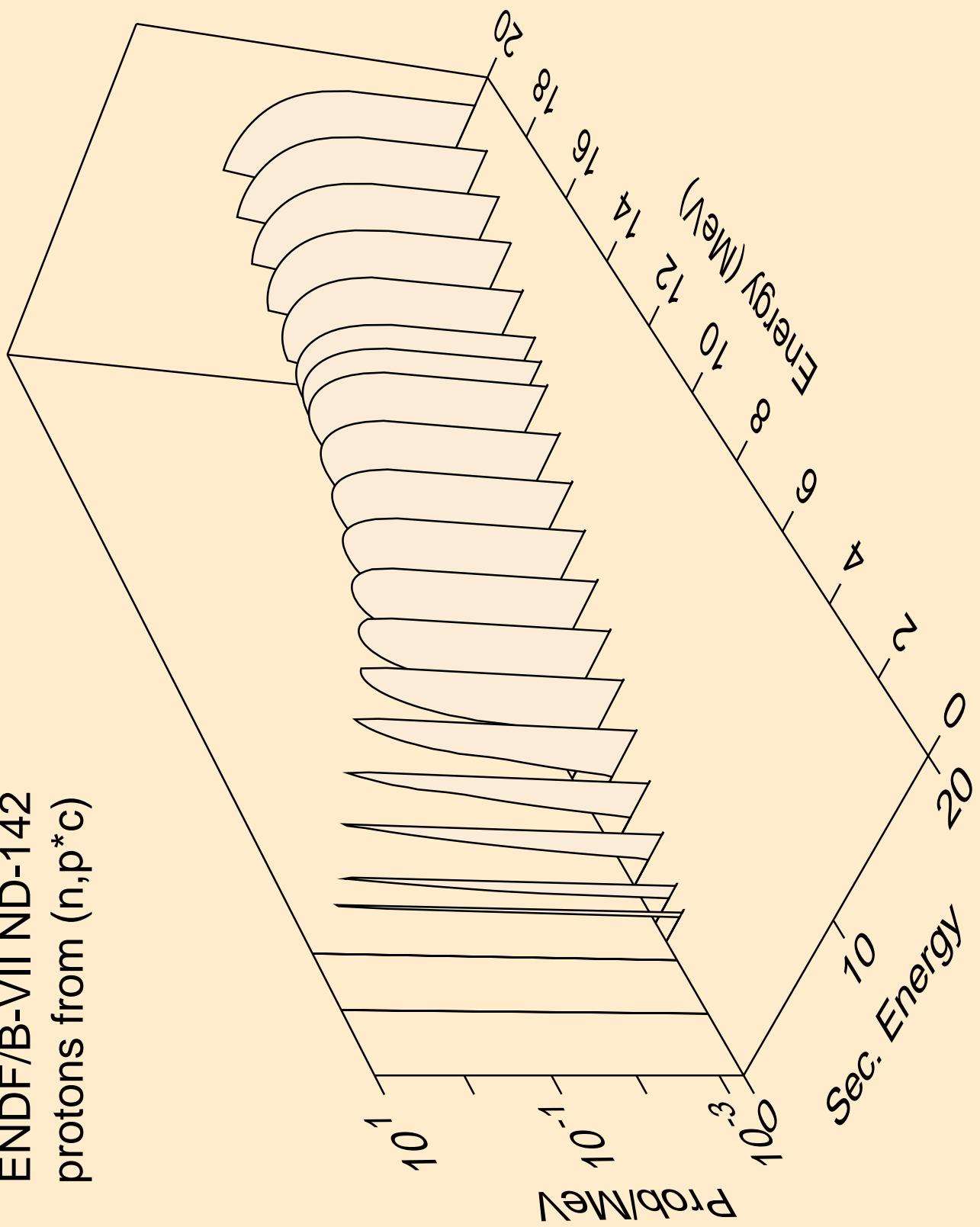


ENDF/B-VII ND-142

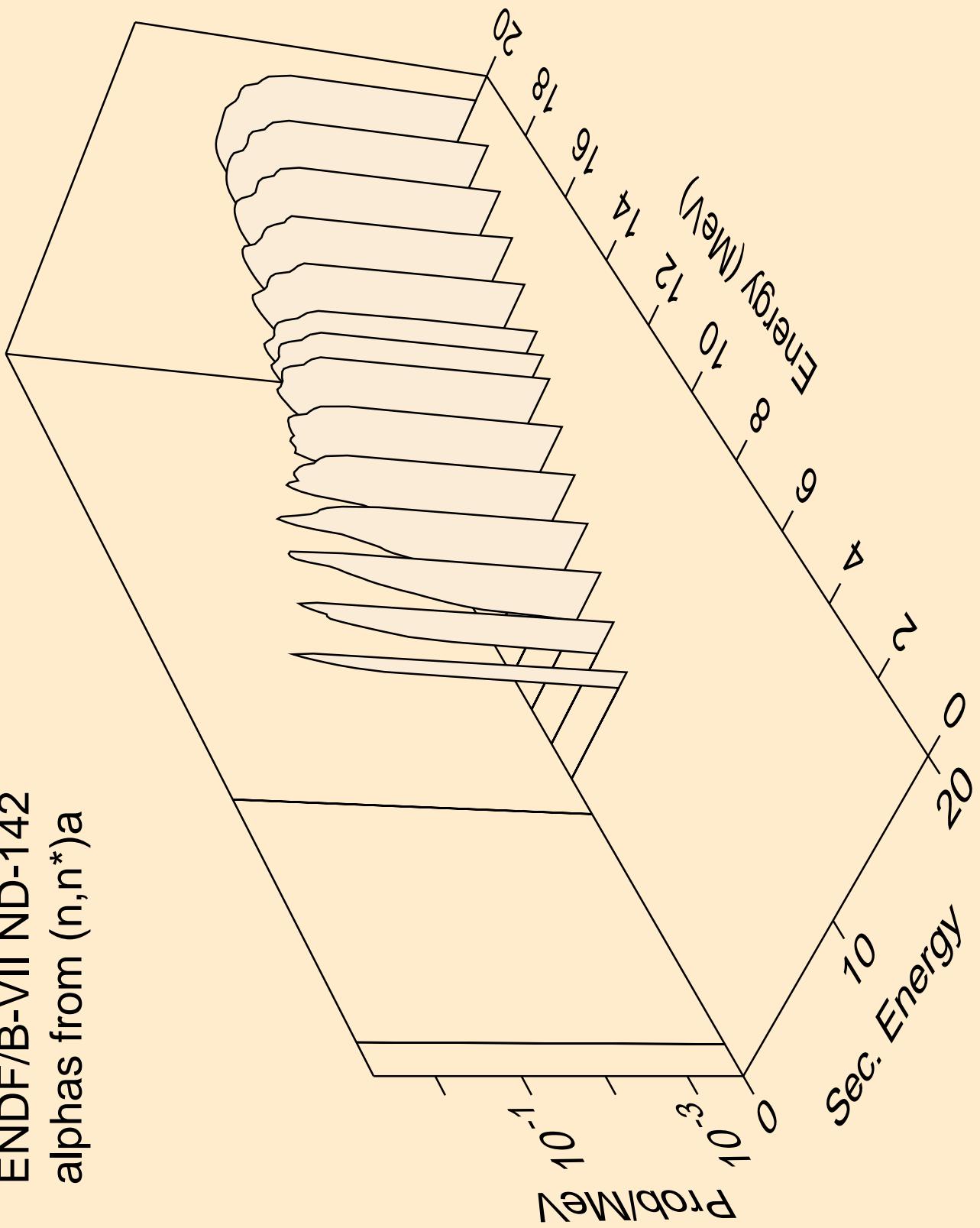
angular distribution for ( $n,p^*11$ ) proton



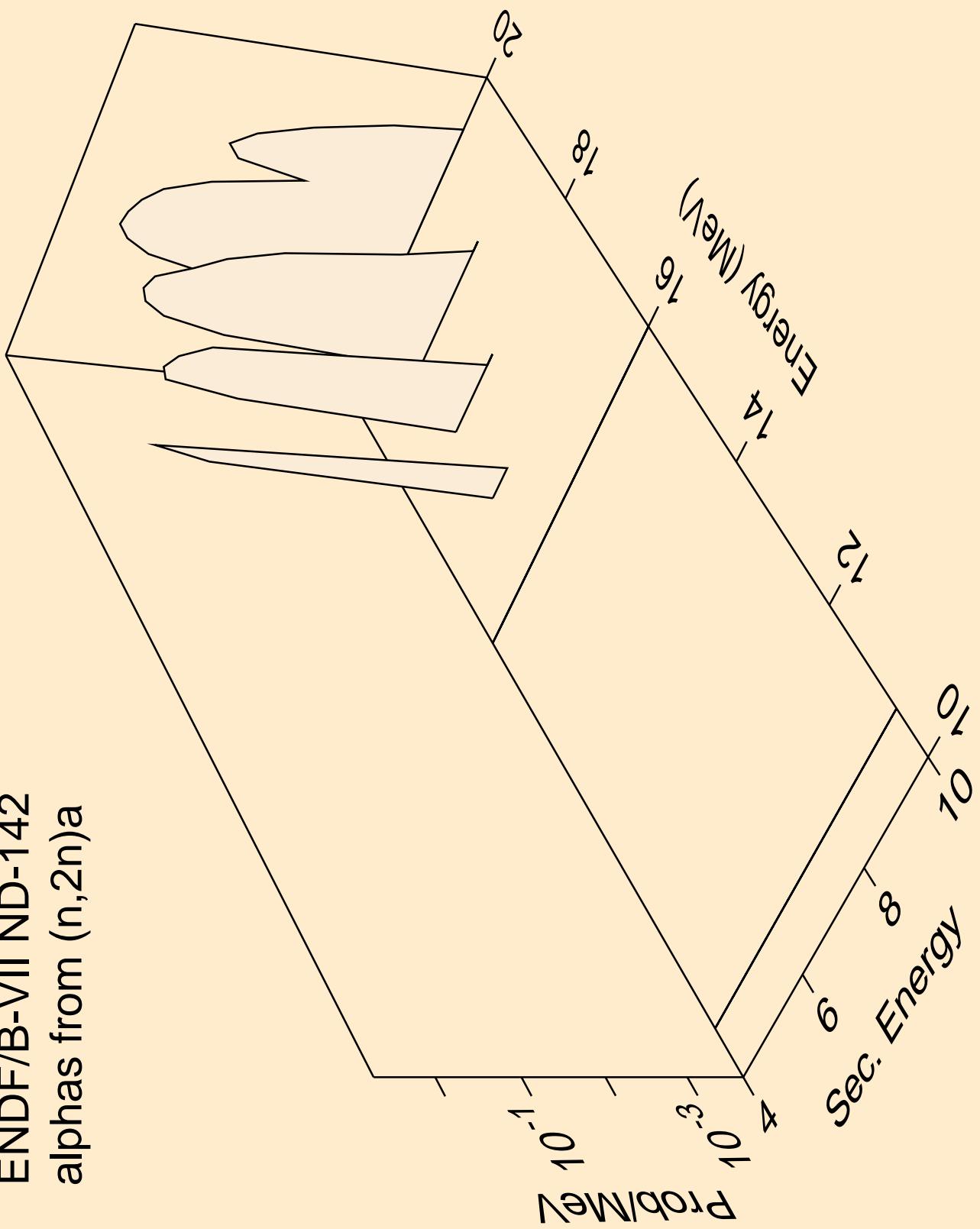
ENDF/B-VII ND-142  
protons from  $(n, p^*c)$



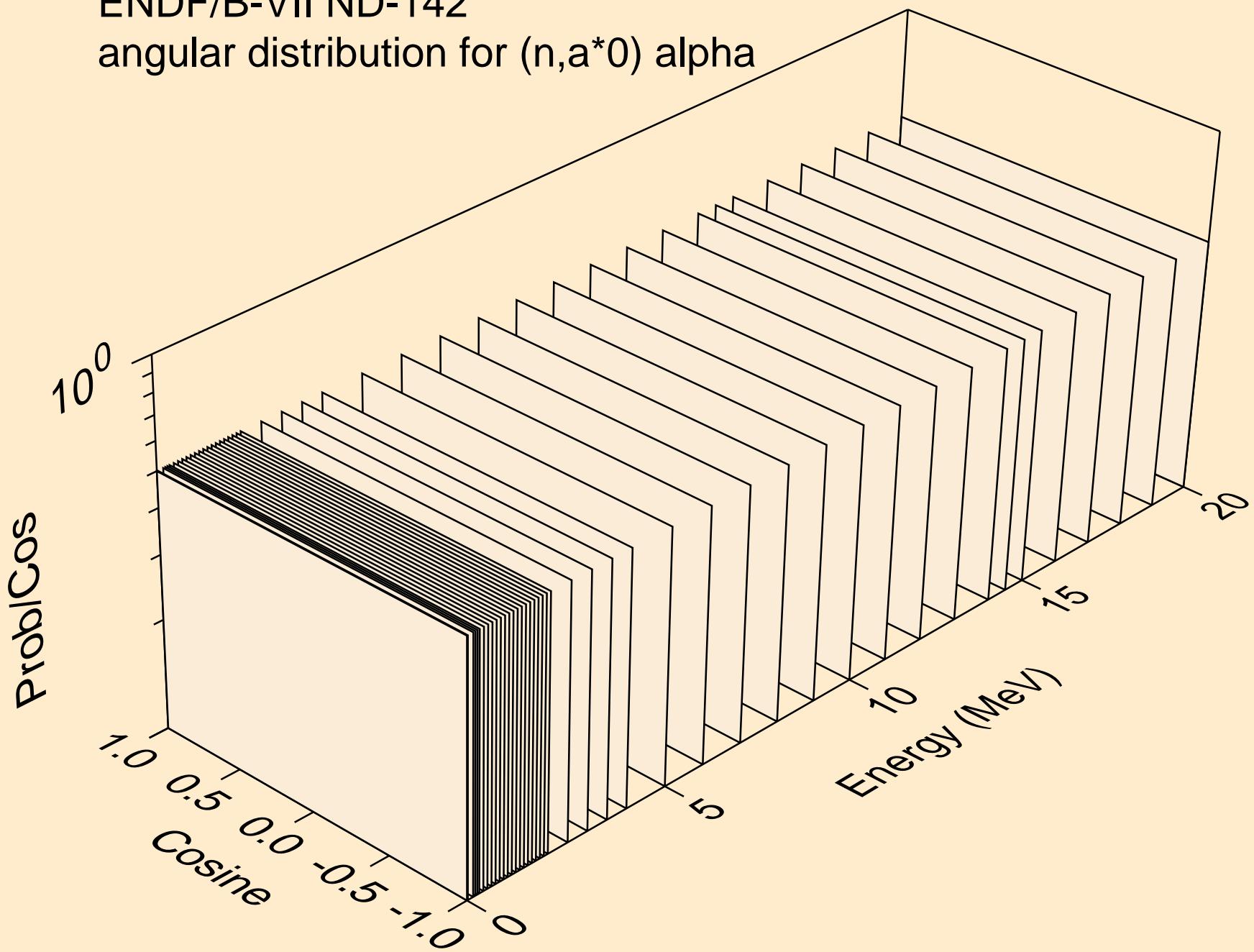
ENDF/B-VII ND-142  
alphas from  $(n, n^*)a$



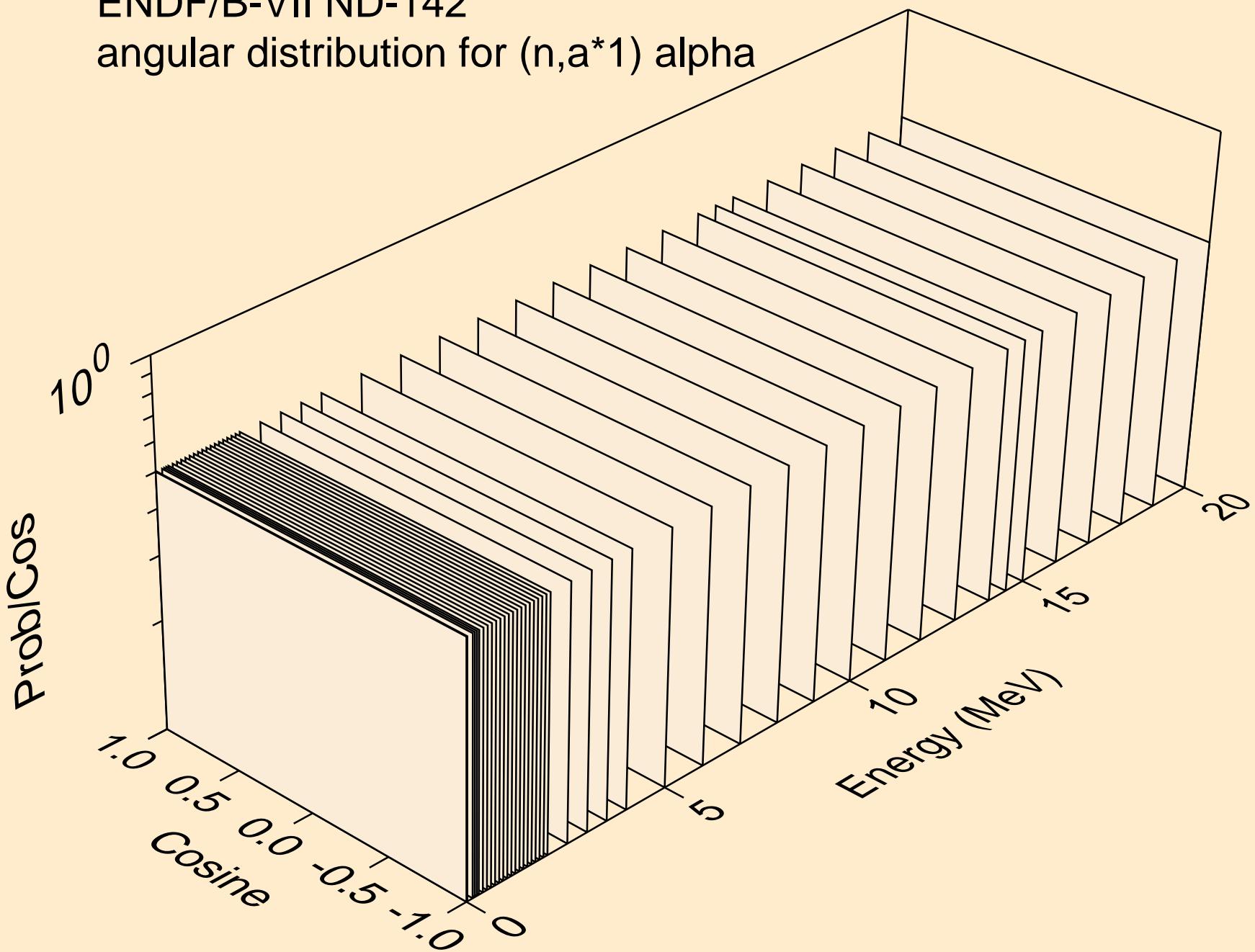
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alphas from  $(n,2n)\alpha$



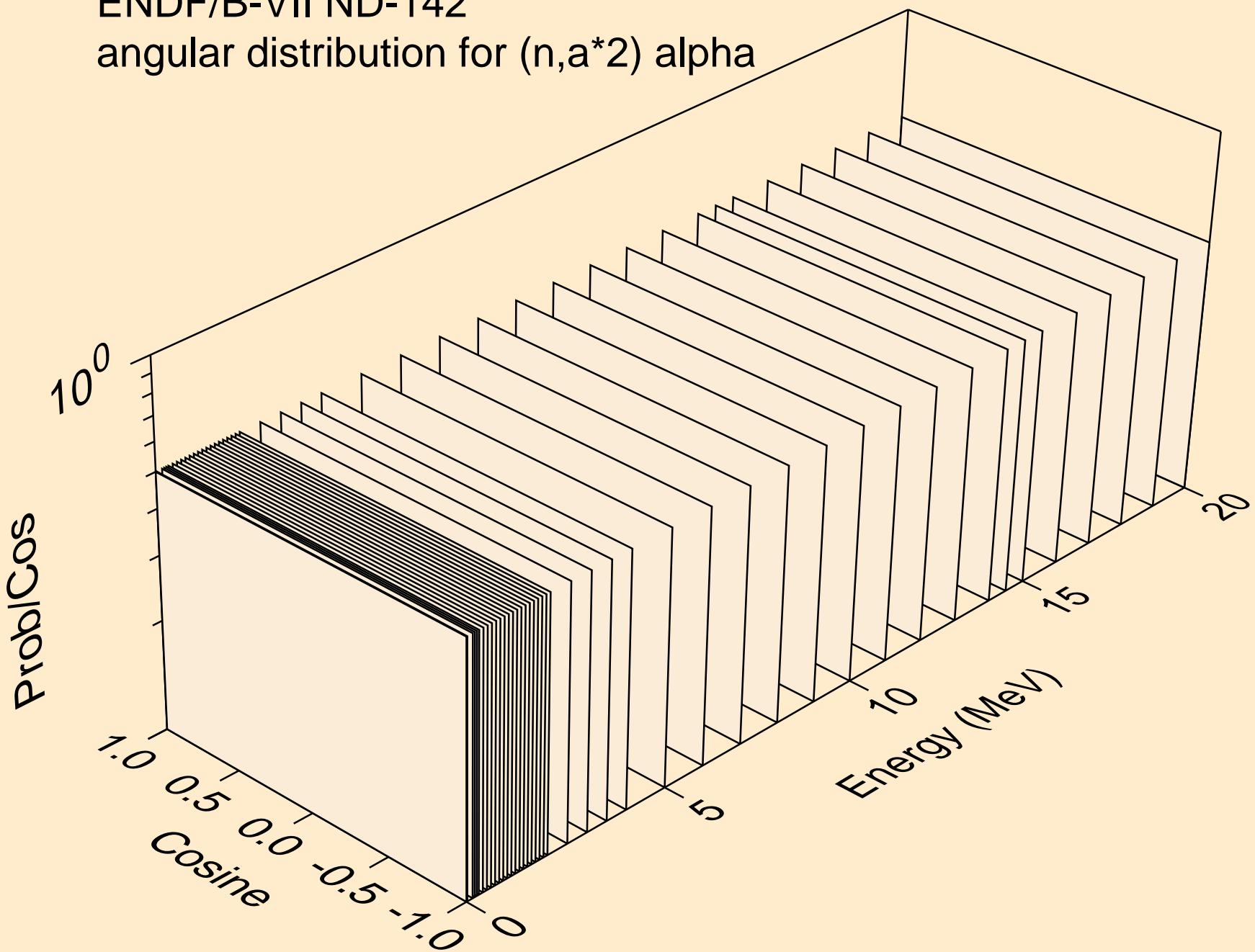
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angular distribution for  $(n,a^*0)$  alpha



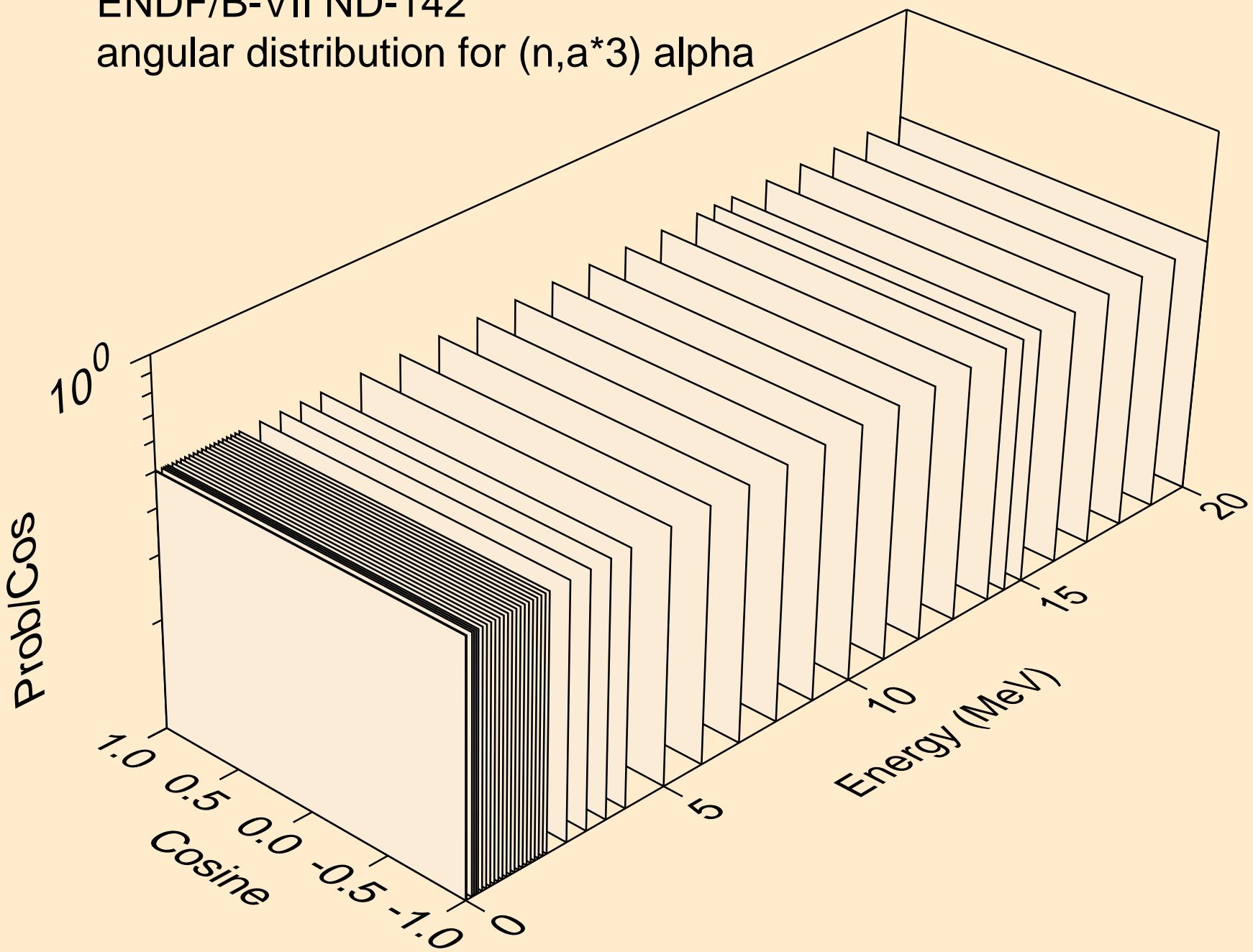
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angular distribution for (n,a\*1) alpha



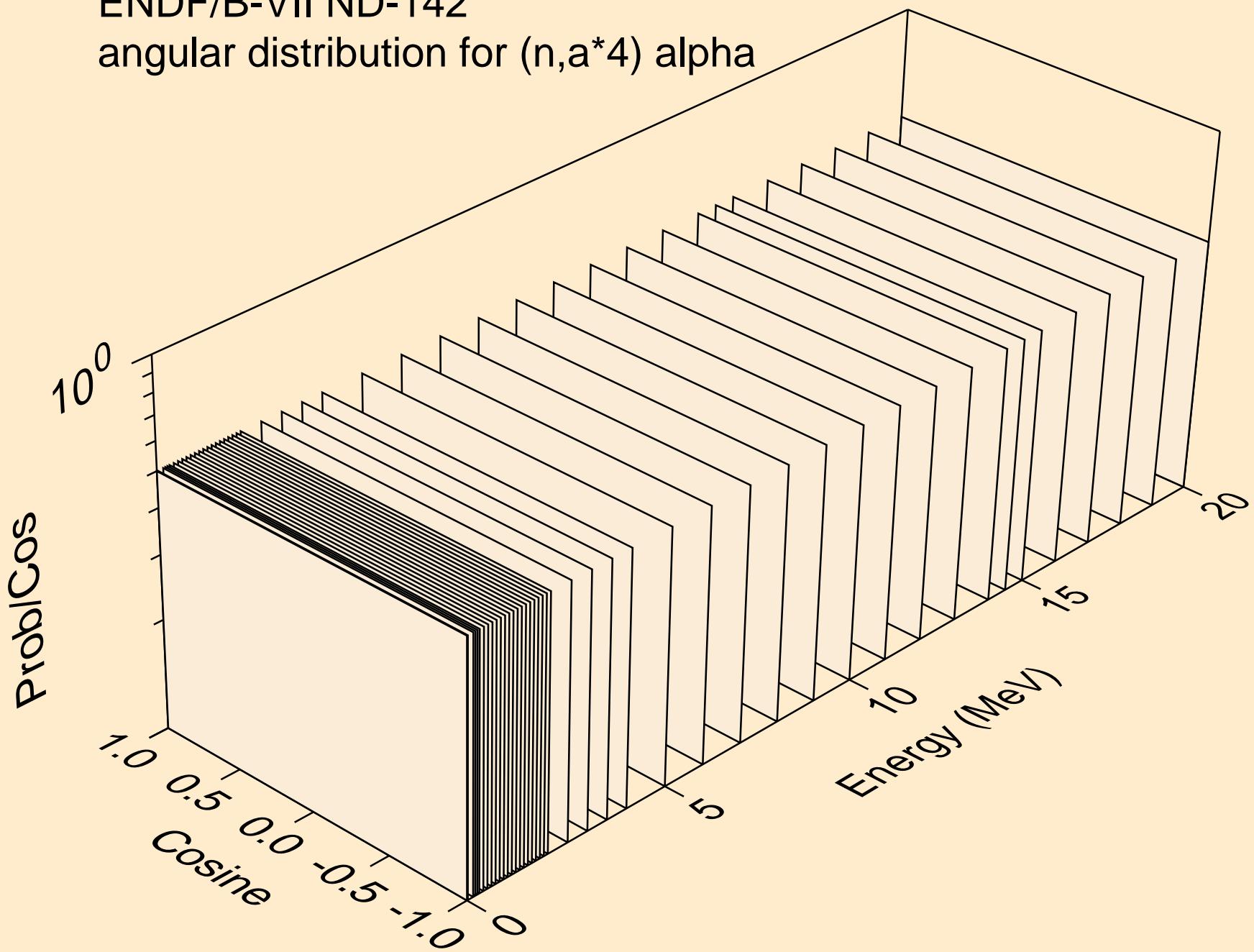
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angular distribution for  $(n,a^*)$  alpha



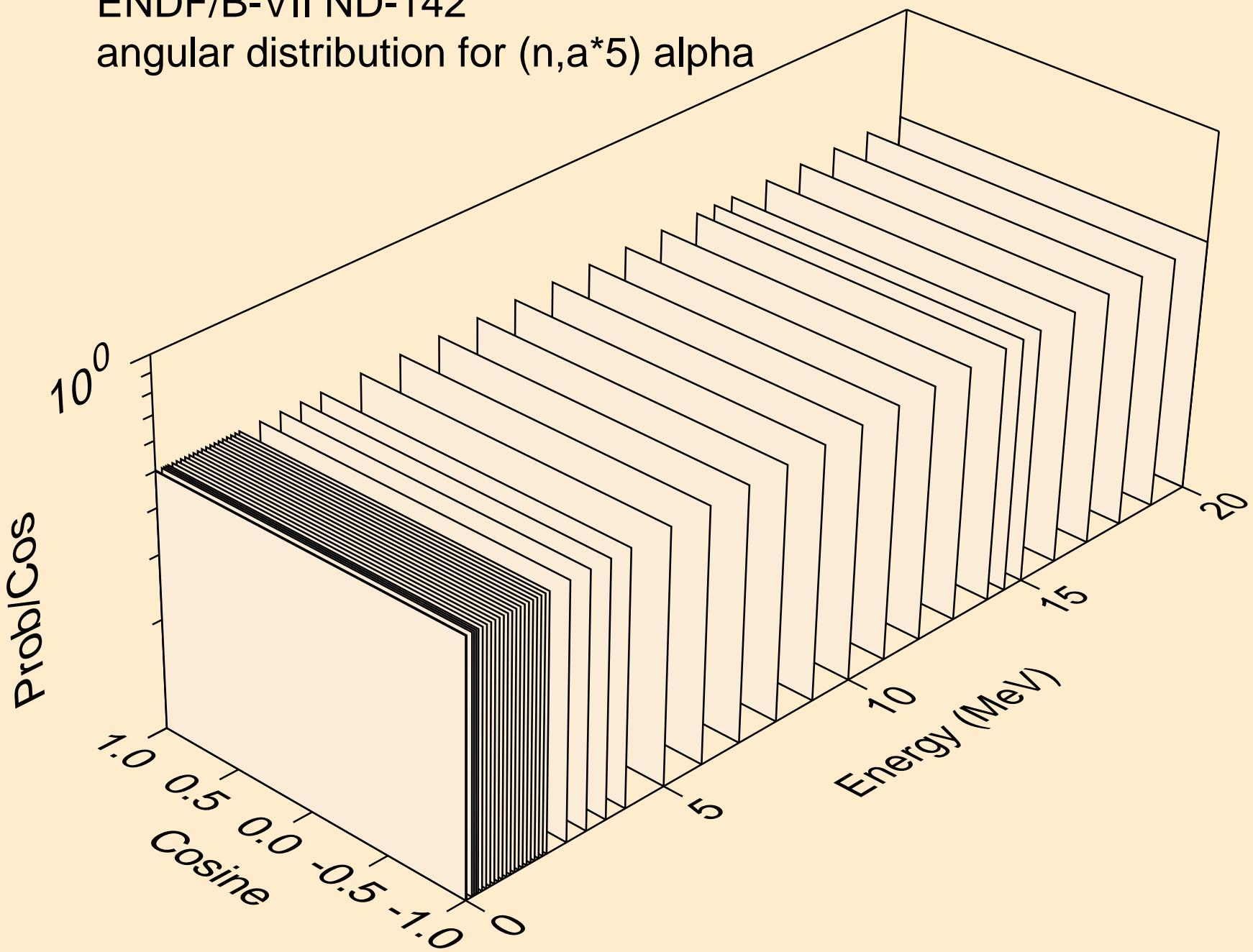
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angular distribution for  $(n,a^*3)$  alpha



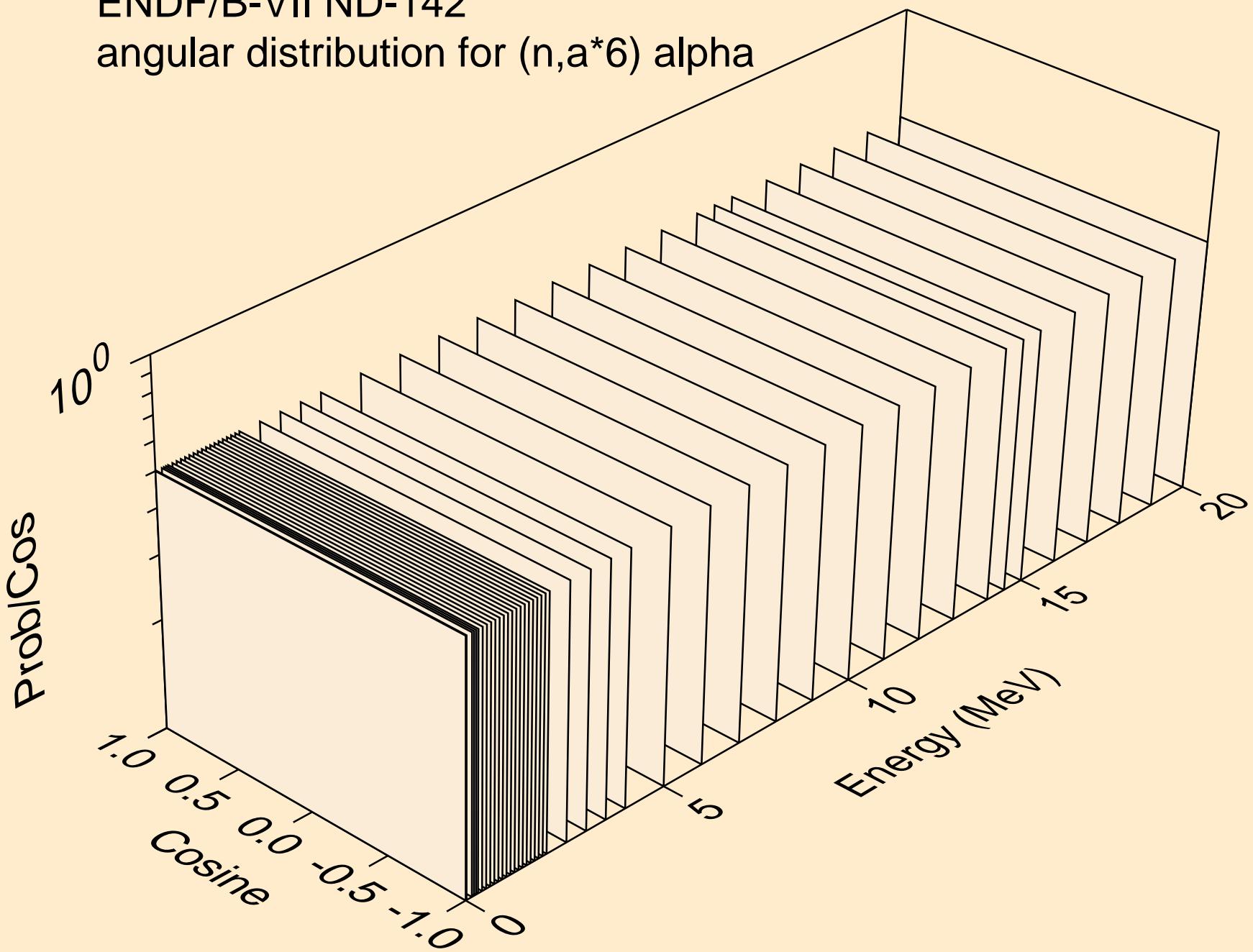
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angular distribution for  $(n,a^*4)$  alpha



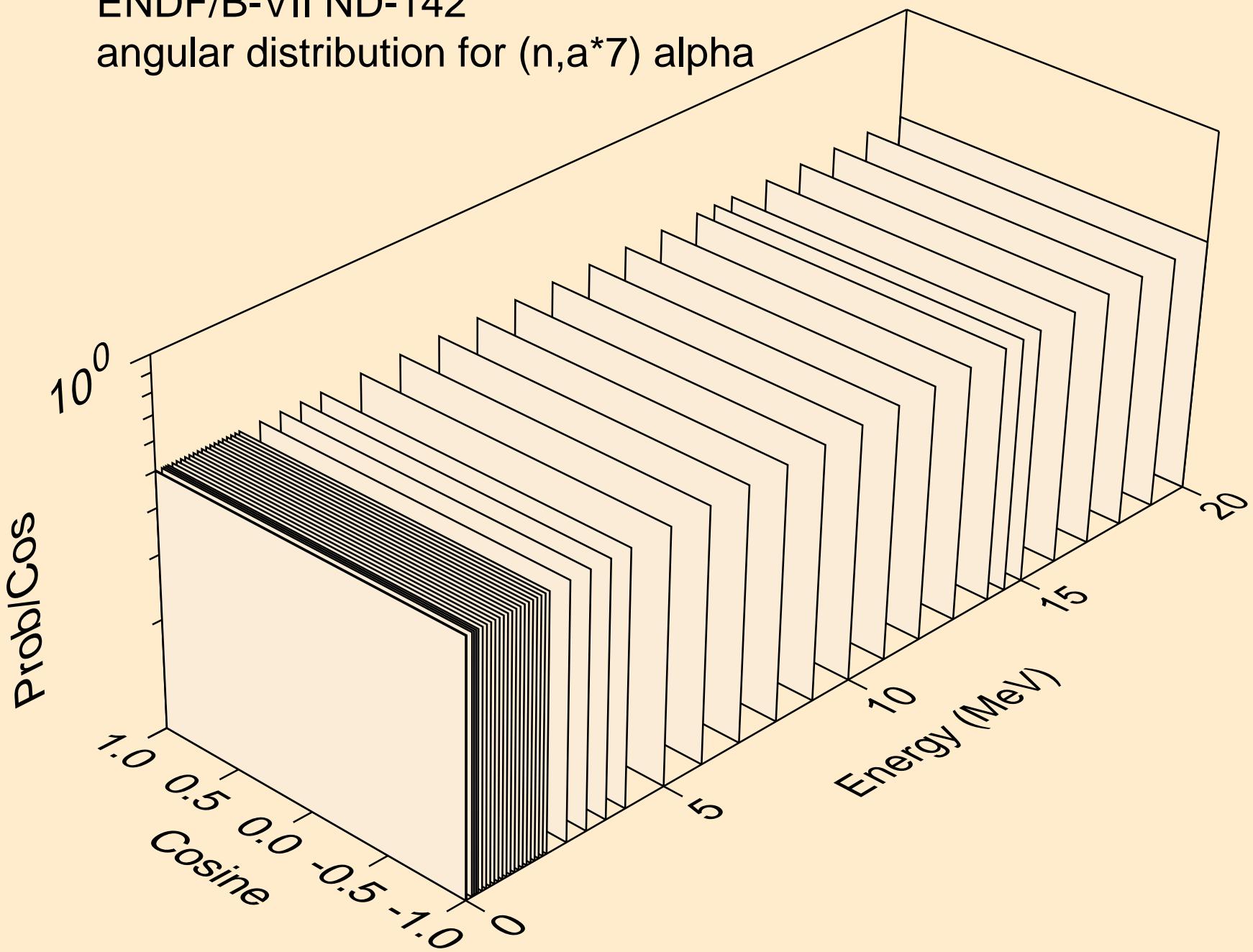
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angular distribution for  $(n,a^*5)$  alpha



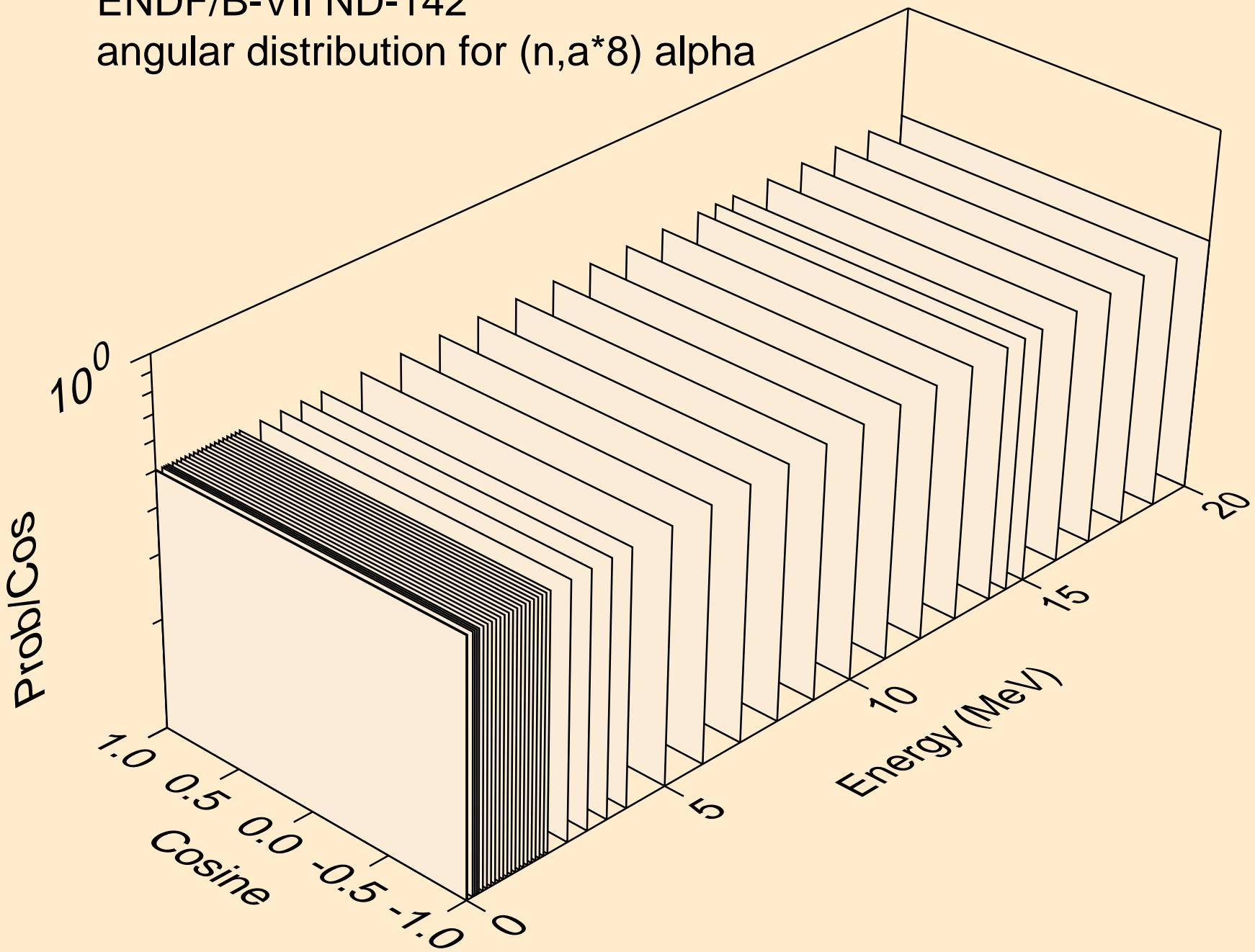
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angular distribution for  $(n,a^*6)$  alpha



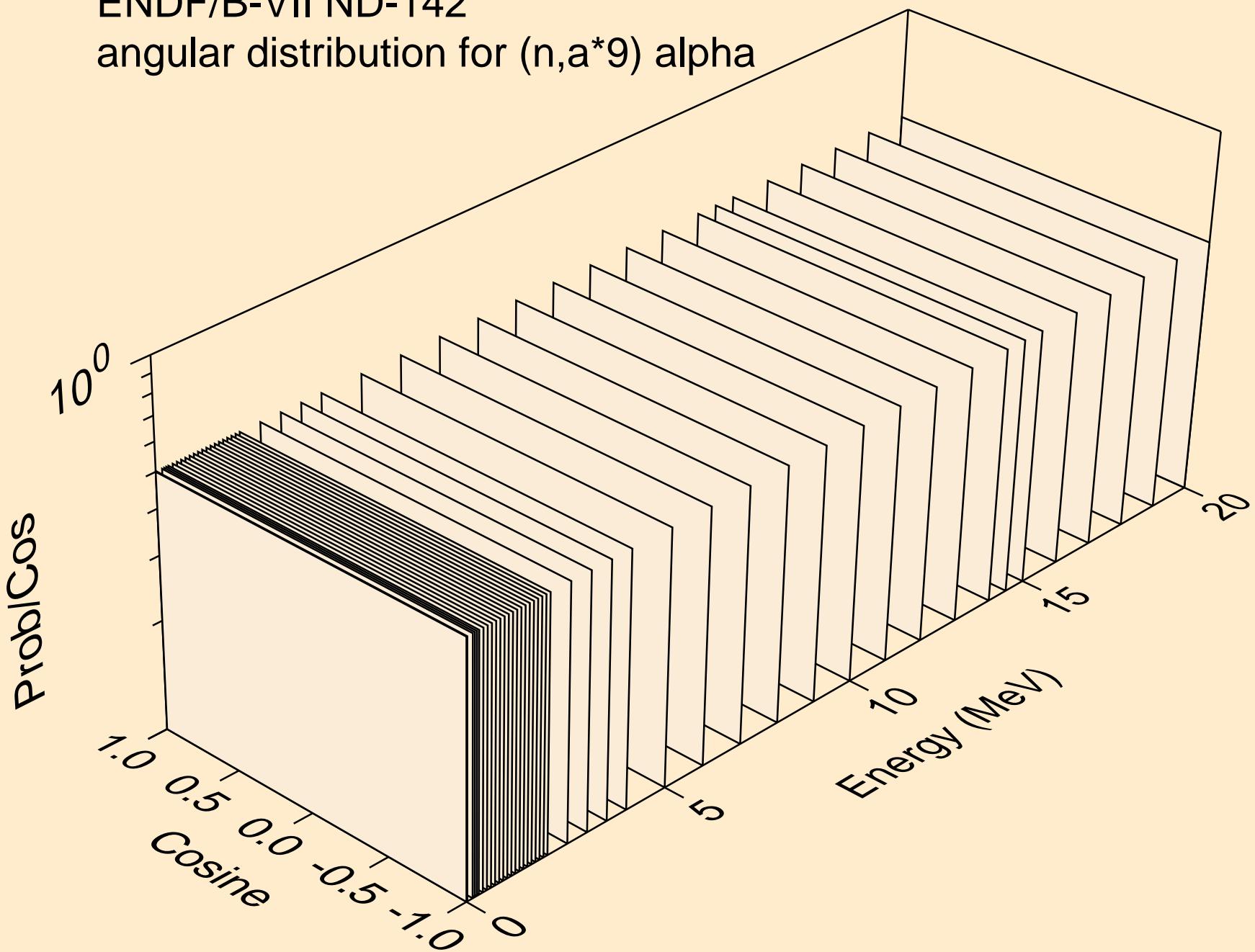
ENDF/B-VII ND-142  
angular distribution for  $(n,a^*7)$  alpha



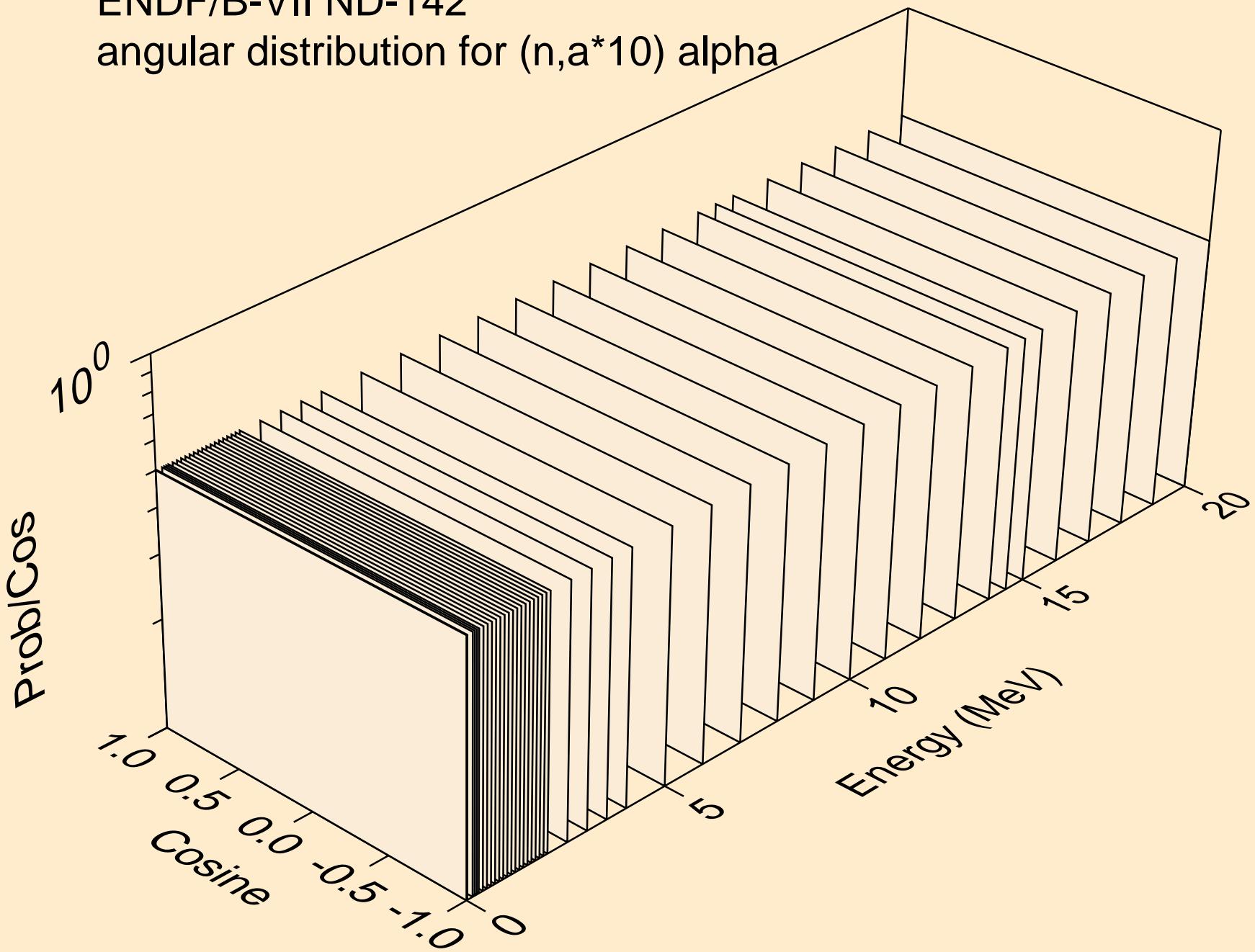
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angular distribution for  $(n,a^*8)$  alpha



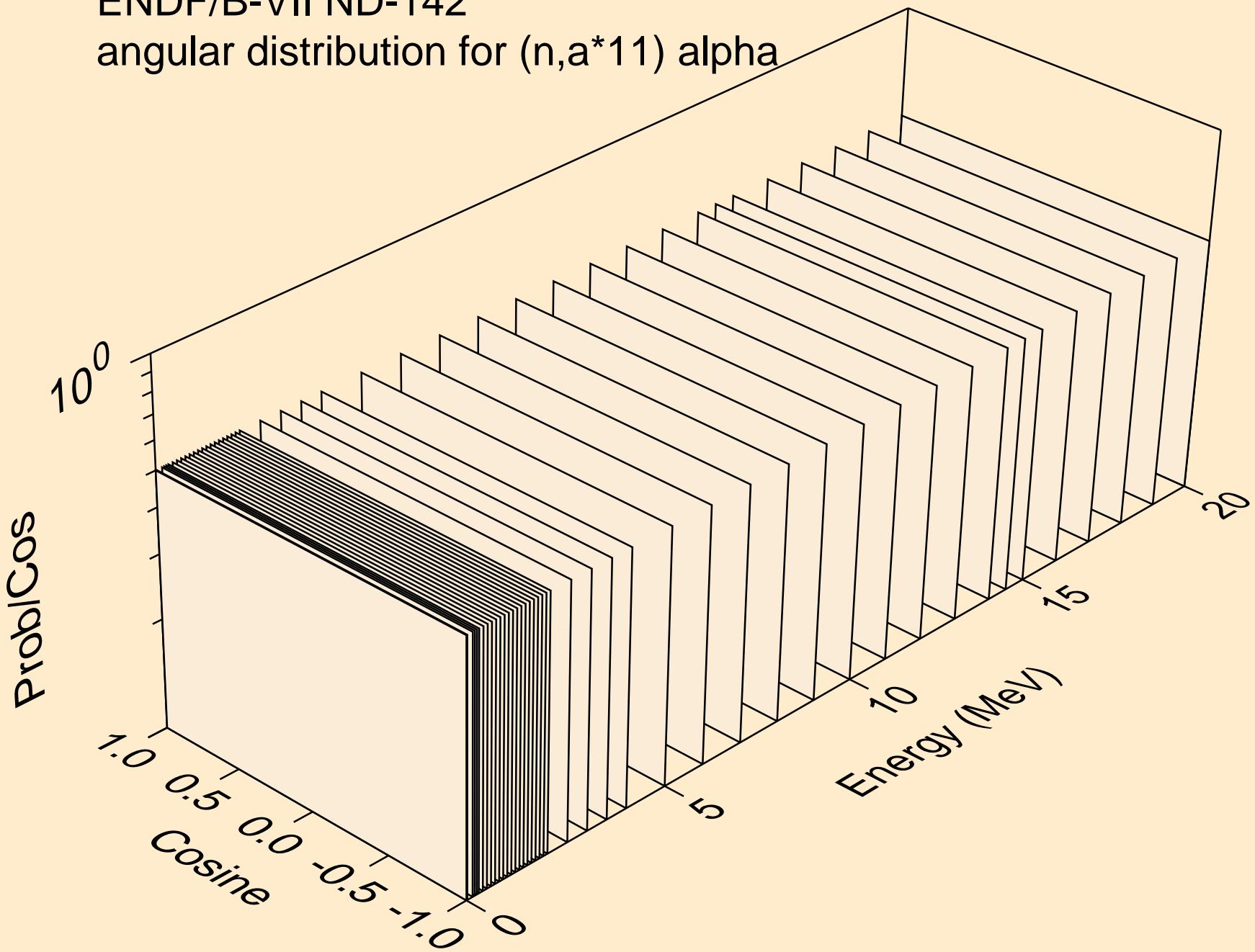
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angular distribution for  $(n,a^*9)$  alpha



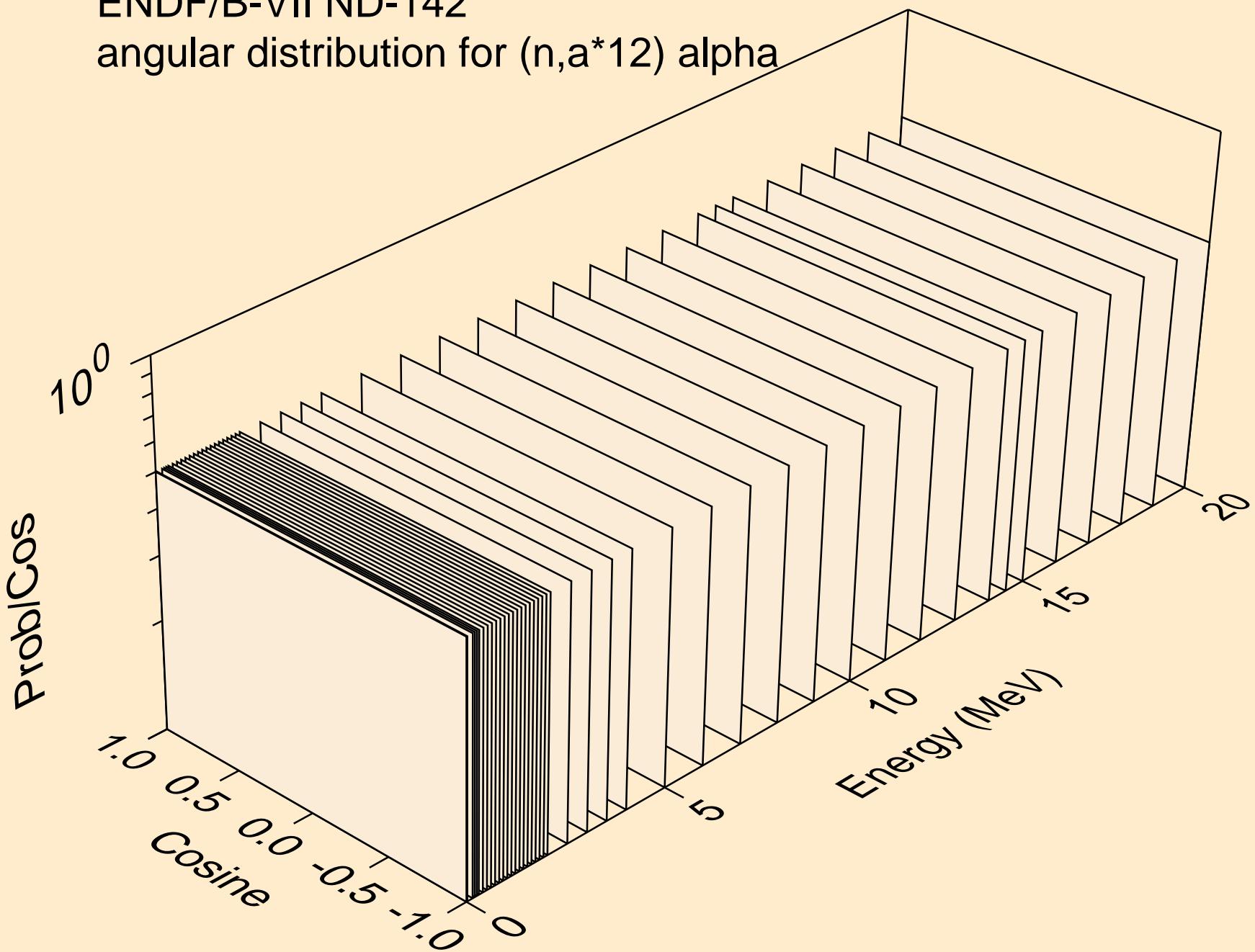
ENDF/B-VII ND-142  
angular distribution for ( $n,a^*10$ ) alpha



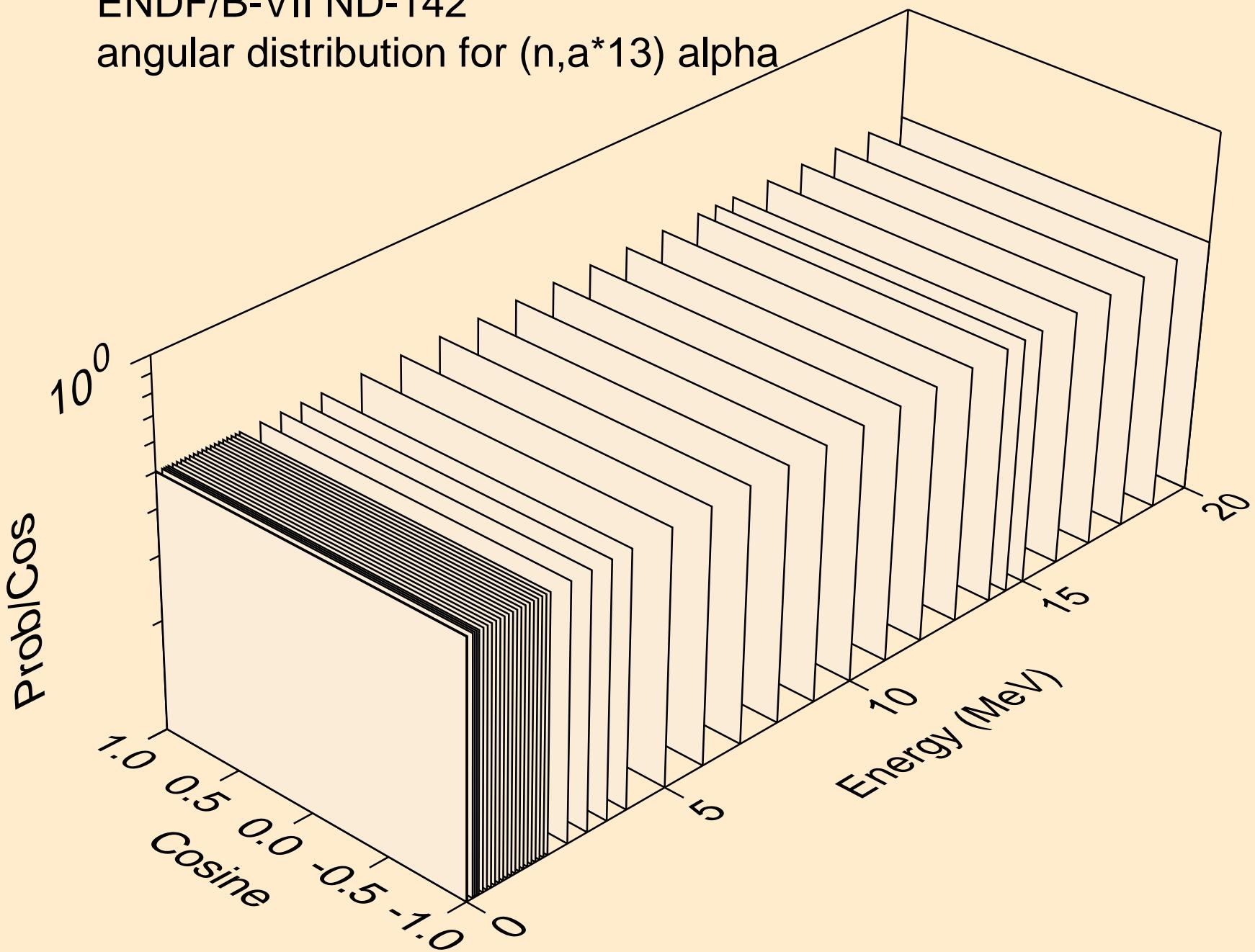
ENDF/B-VII ND-142  
angular distribution for ( $n,a^*11$ ) alpha



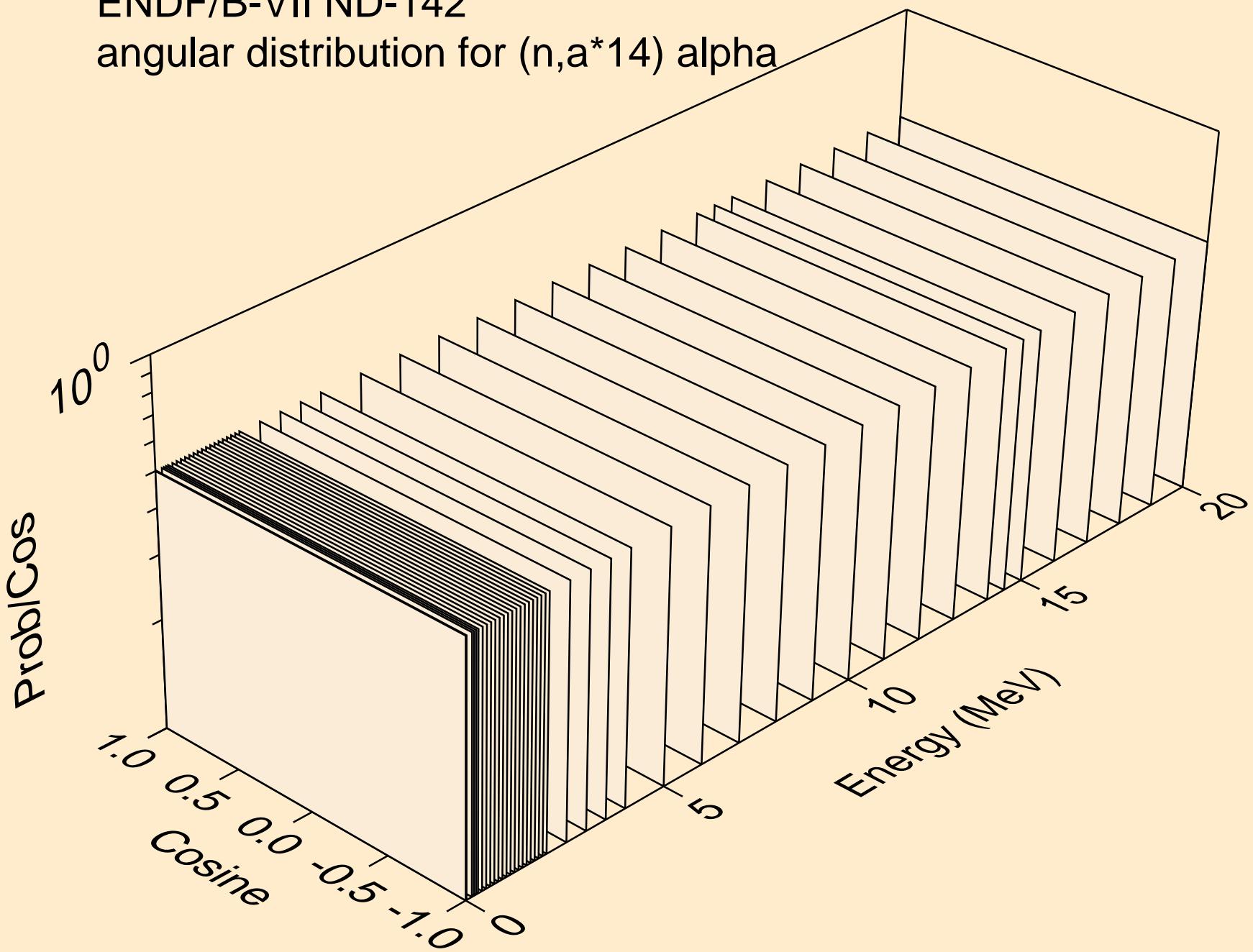
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angular distribution for (n,a\*12) alpha



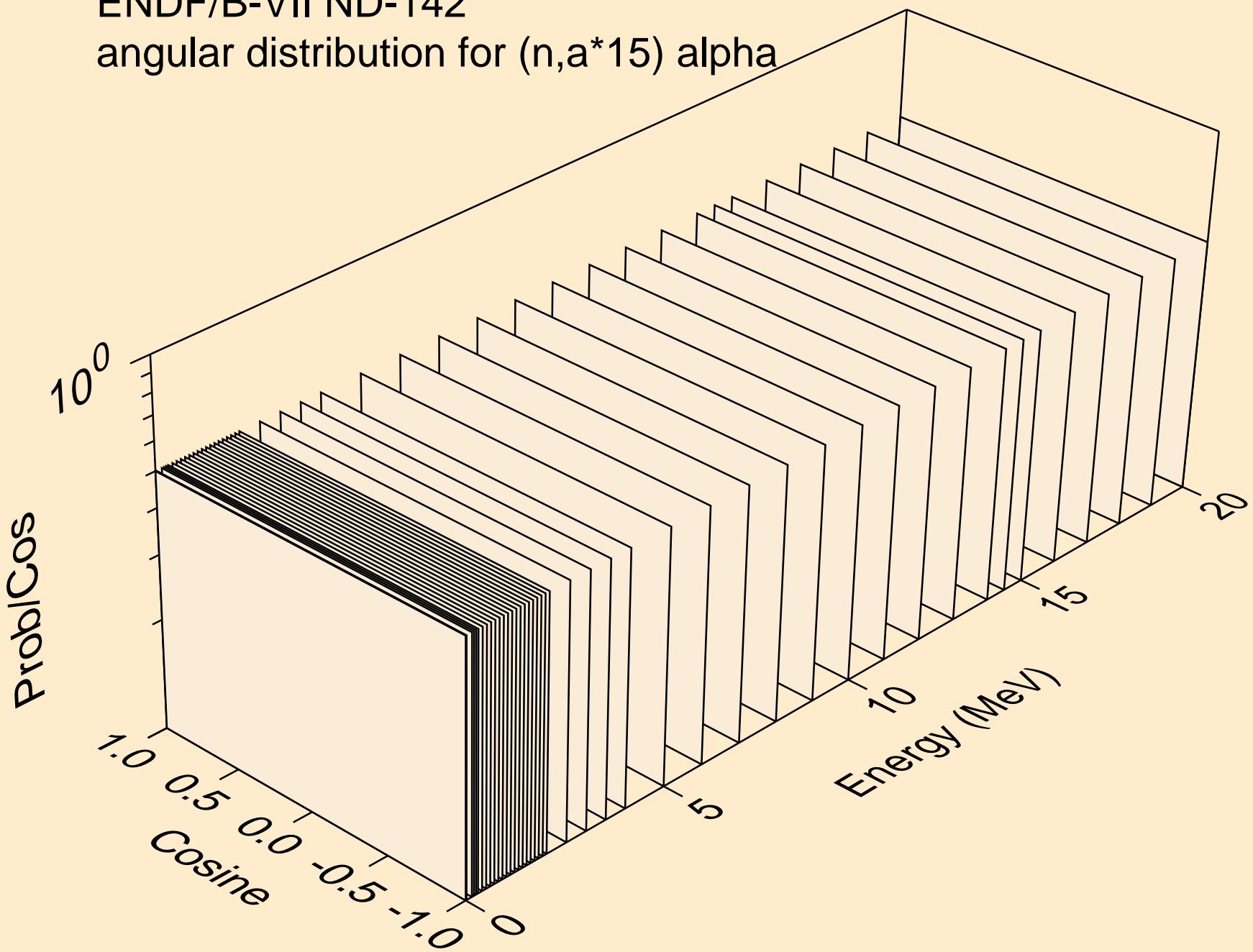
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angular distribution for ( $n,a^*13$ ) alpha



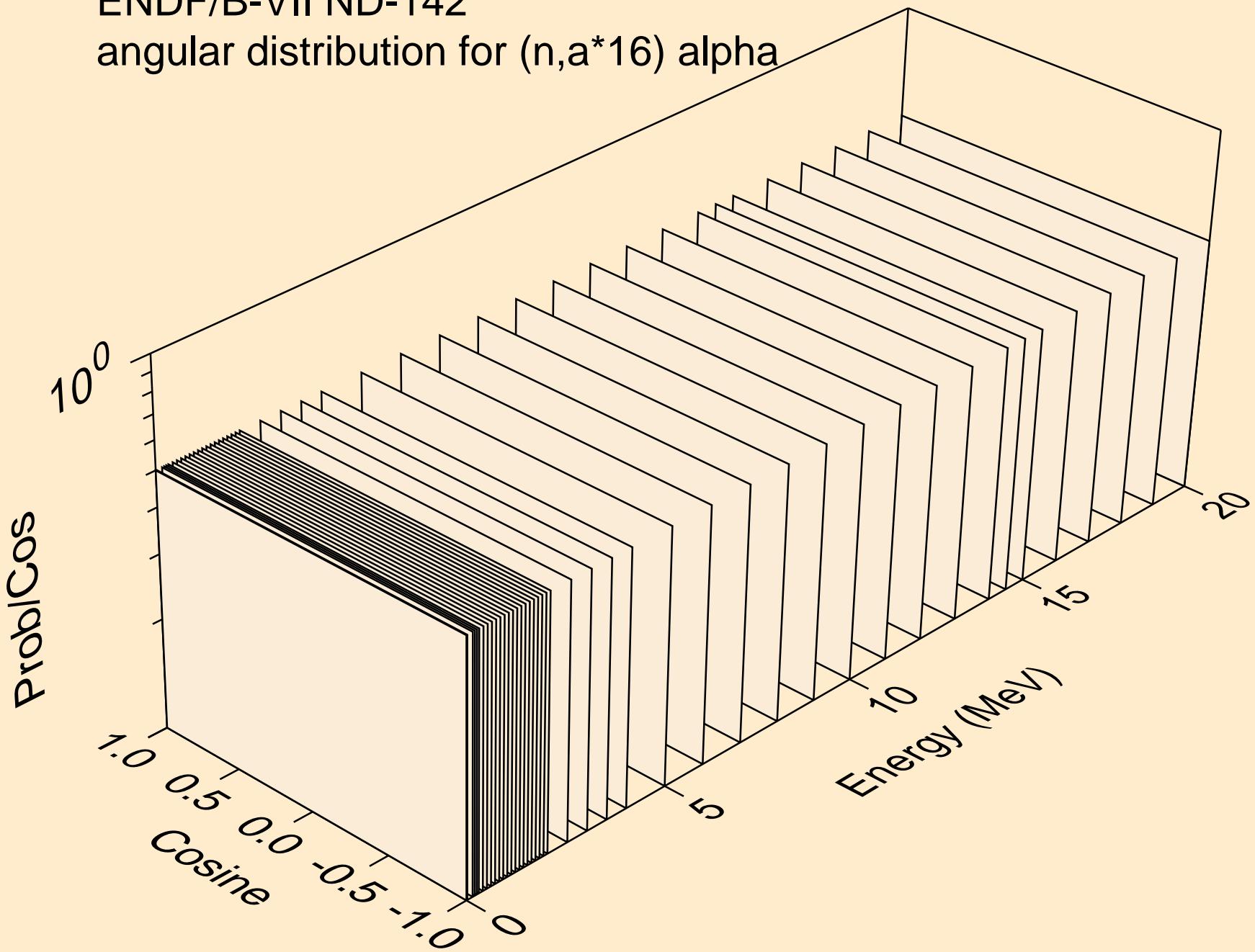
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angular distribution for ( $n,a^*14$ ) alpha



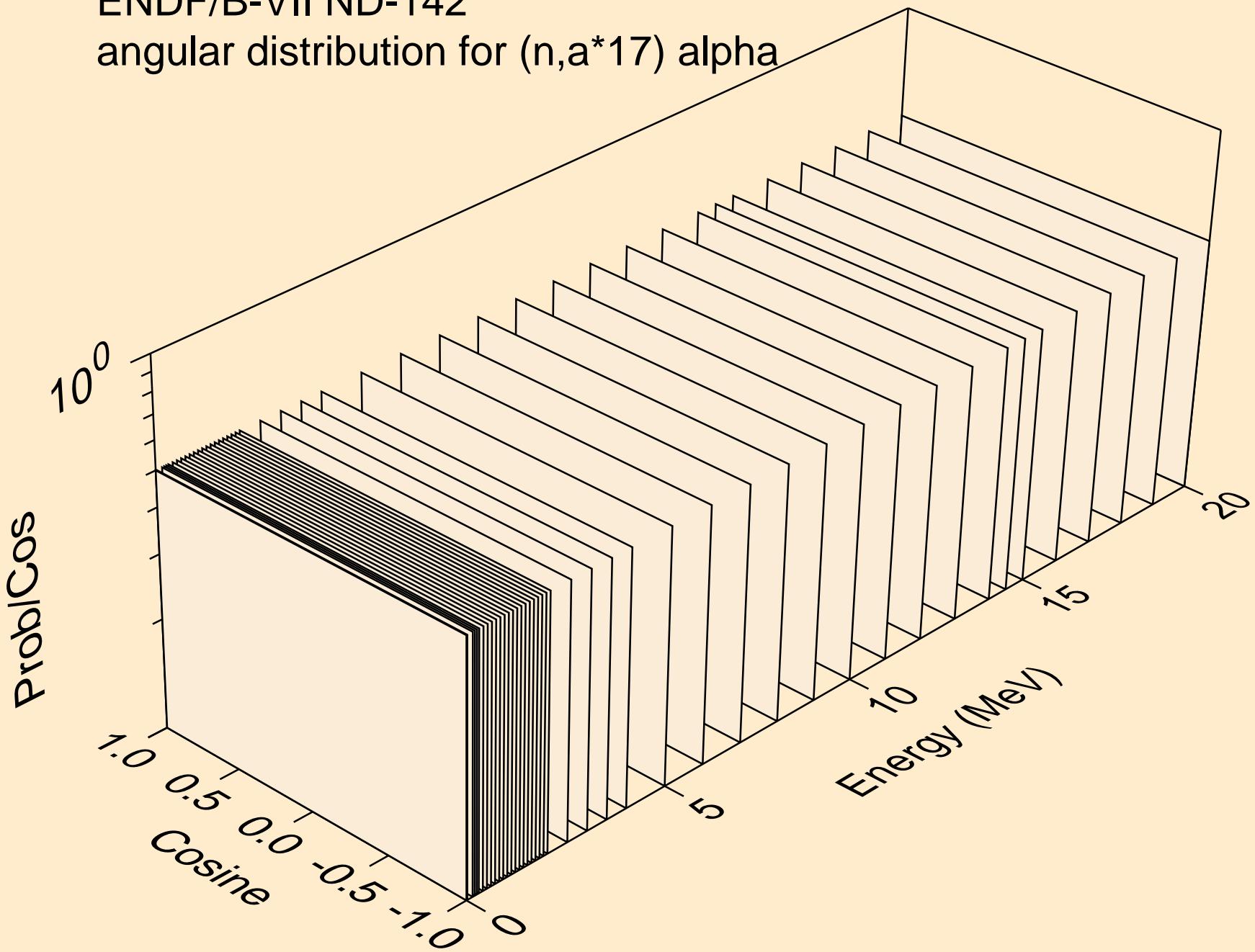
ENDF/B-VII ND-142  
angular distribution for ( $n,a^*15$ ) alpha



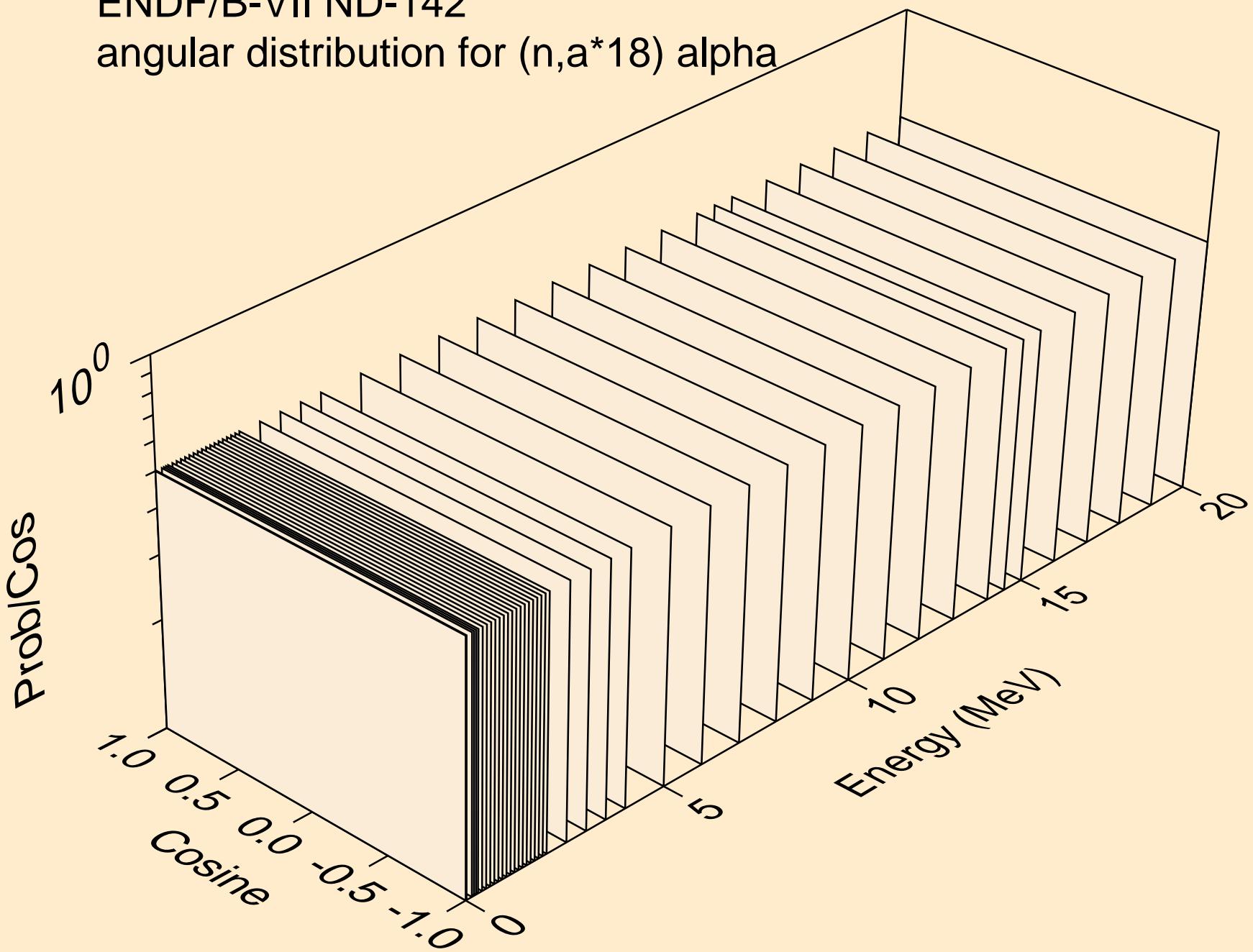
ENDF/B-VII ND-142  
angular distribution for ( $n,a^*16$ ) alpha



ENDF/B-VII ND-142  
angular distribution for ( $n,a^*17$ ) alpha



ENDF/B-VII ND-142  
angular distribution for (n,a\*18) alpha



ENDF/B-VII ND-142  
alphas from  $(n, \alpha^* c)$

